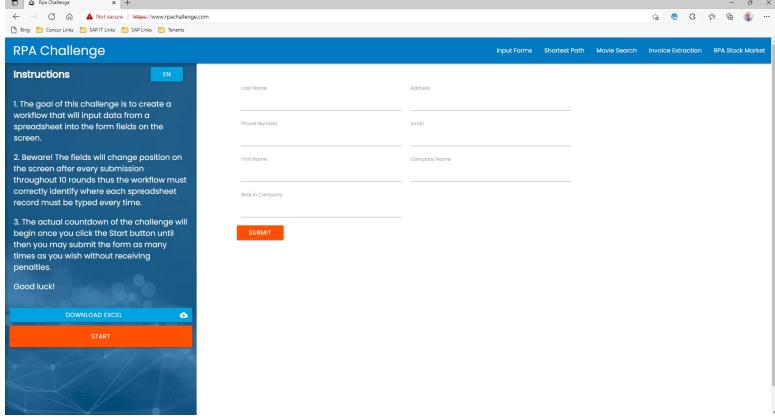
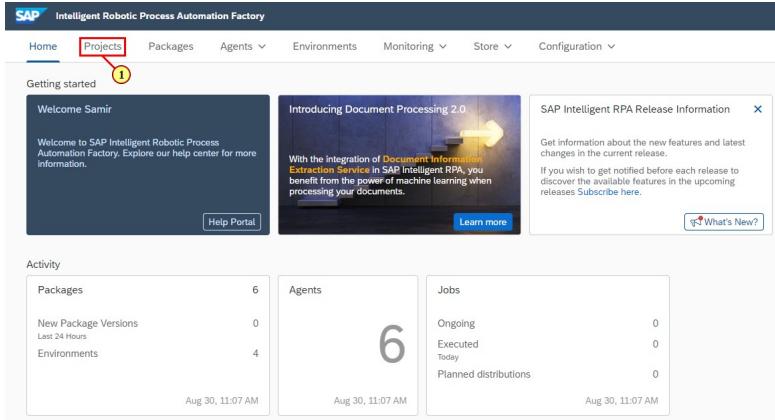
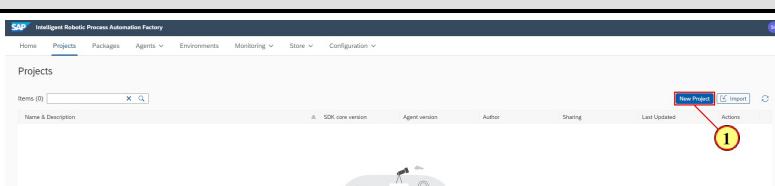
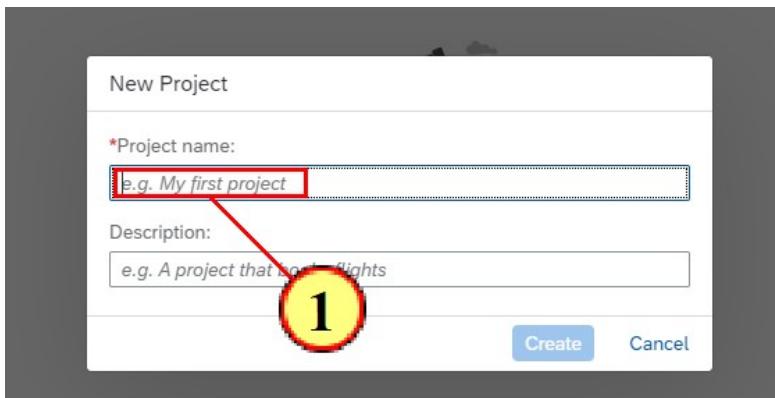


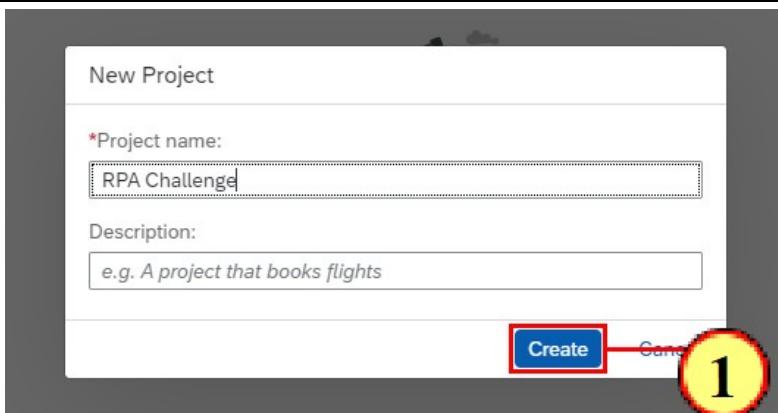
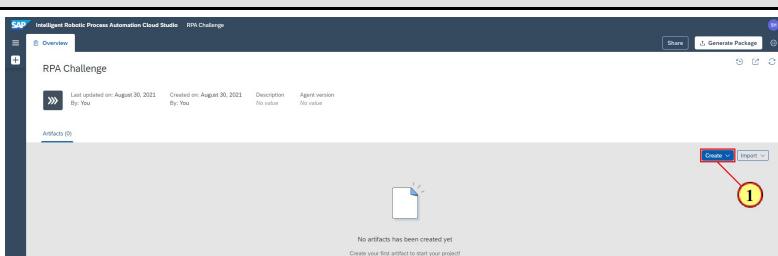
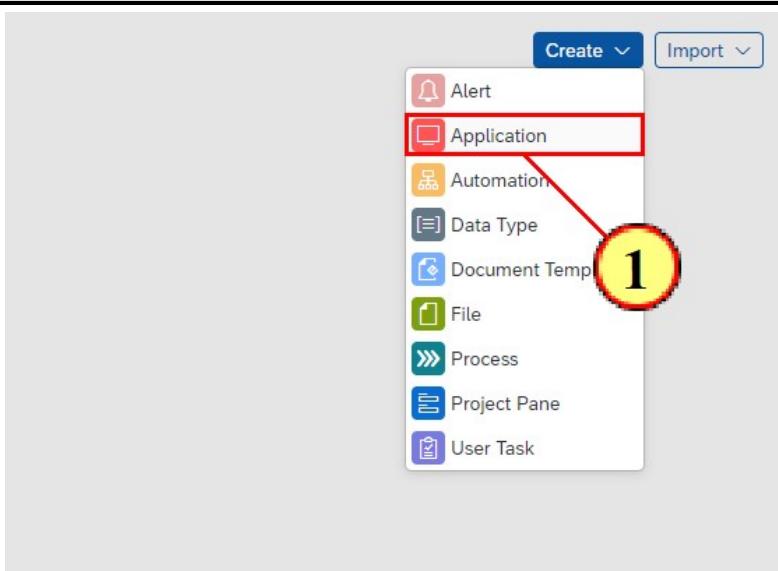
Exercise 1 – Application Capture

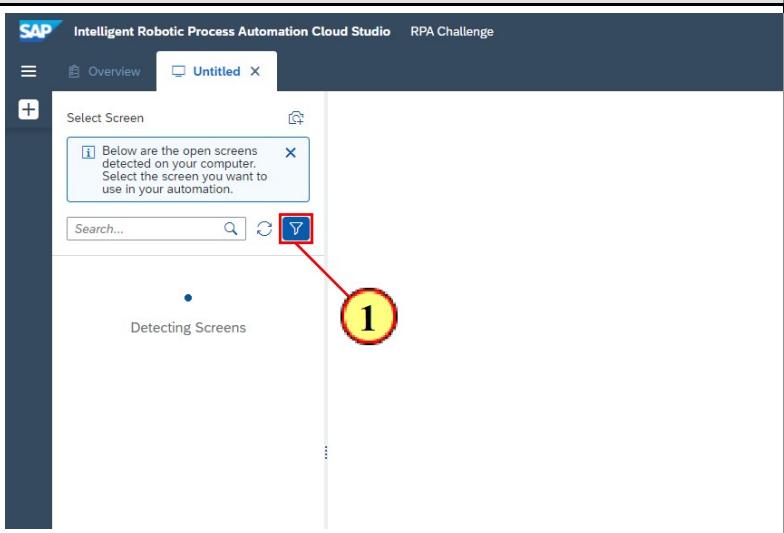
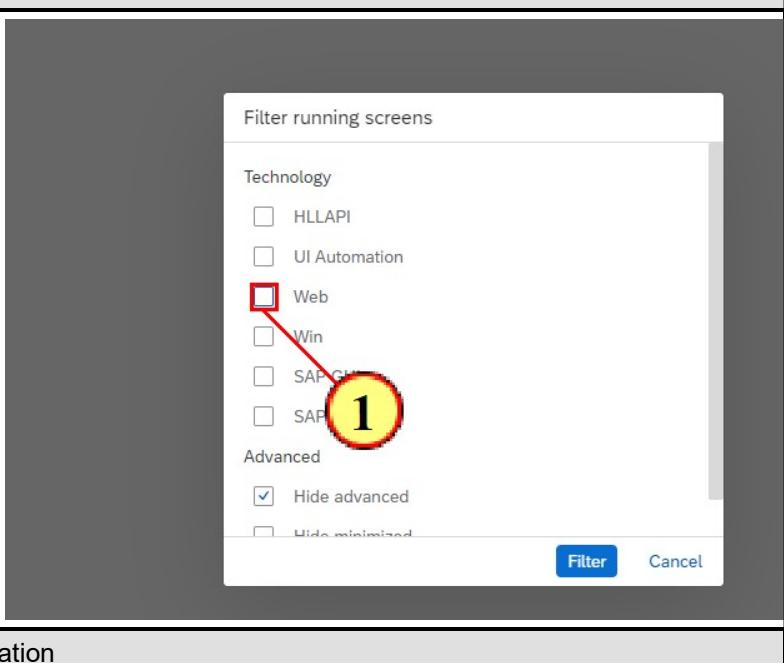


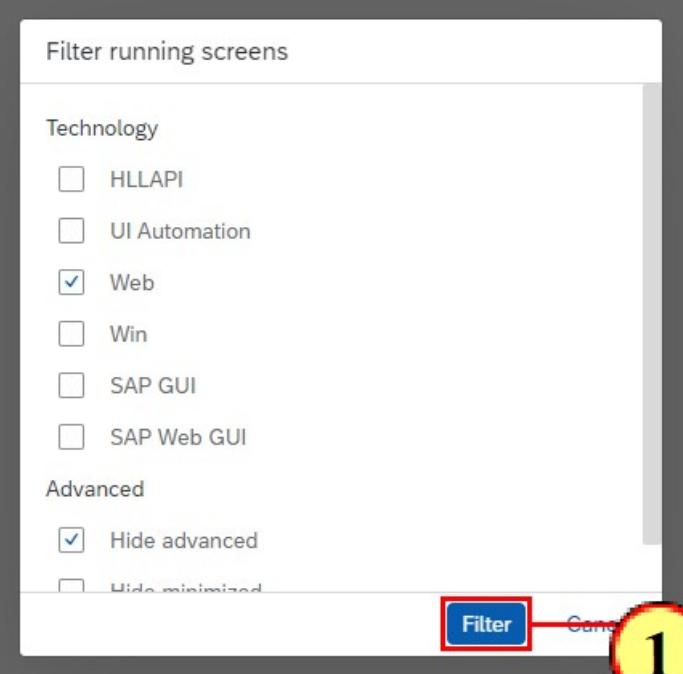
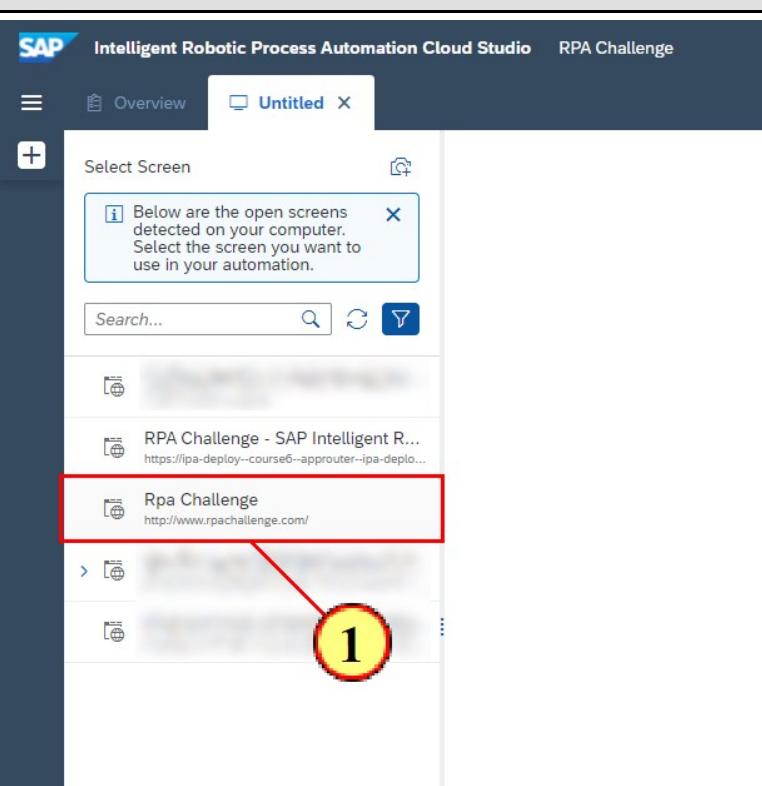
Open a Web Browser, for example: Microsoft Edge or Chrome!

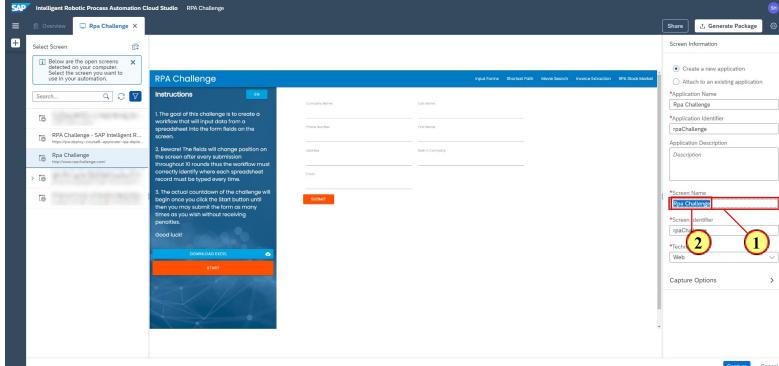
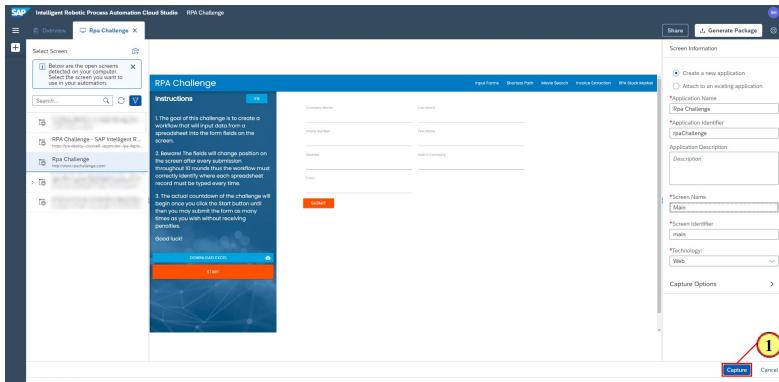
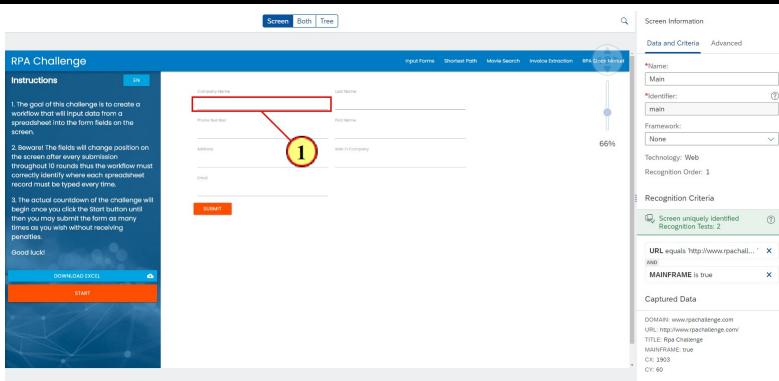
Explanation	Screenshot
Web Browser – Microsoft Edge	
(1) Enter www.rpachallenge.com and press Enter	
(1) Click Advanced	
(1) Click Continue to www.rpachallenge.com (unsafe)	
Web Browser - RPA Challenge website	

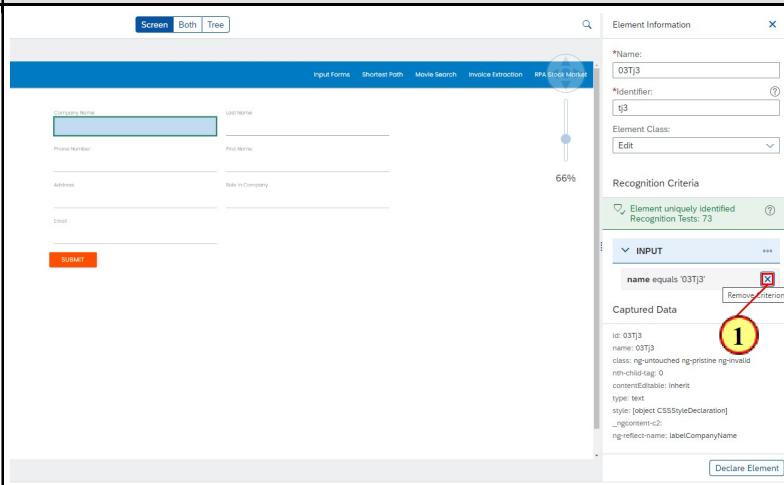
Explanation	Screenshot
 Once the RPA Challenge website is loaded, go to the Cloud Factory and open it in a different browser window and open it in a different browser window.  Don't open the two applications in the same browser window as tabs.	
Cloud Factory - Creating a new project (1) Click the Projects tab in the navigation bar	
Cloud Factory - Creating a new project (1) Click the New Project button. A New Project window pops up.	
Cloud Factory - Creating a new project (1) Enter a Project name , here we will name it RPA Challenge	

Explanation	Screenshot
Cloud Factory - Creating a new project	<p>(1) Click on Create</p> 
Cloud Studio - Creating a new project	<p>(1) The created project appears in the Cloud Studio, click on Create</p> 
Cloud Studio - Capturing first application	<p>(1) A dropdown menu opens. Select Application</p> 
Cloud Studio - Capturing first application	

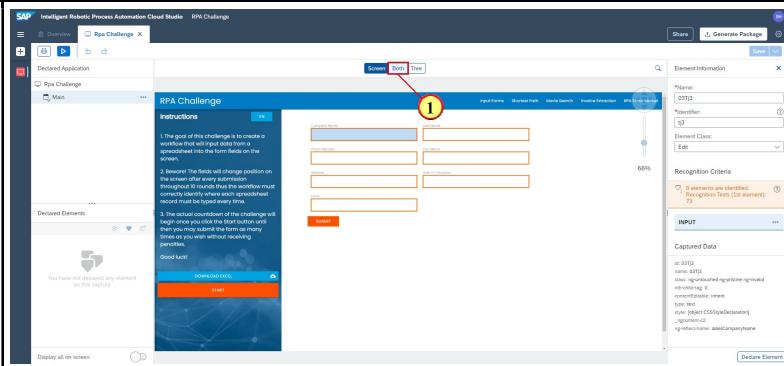
Explanation	Screenshot
<p>If the list of screens is very long, filter it via the Filter icon before choosing one.</p> <p>(1) Click on the Filter icon</p>	
Cloud Studio - Capturing first application	
(1) Select Web as Technology	

Explanation	Screenshot
(1) Click on Filter	
<p>Cloud Studio - Capturing first application</p> <p>(1) In the Select Screen side panel, select the RPA Challenge website from the list. A preview image of the screen is displayed in the capture area.</p> <p> If applications are not listed be sure that your desktop agent is up and running (check the purple icon in the systray)</p>	

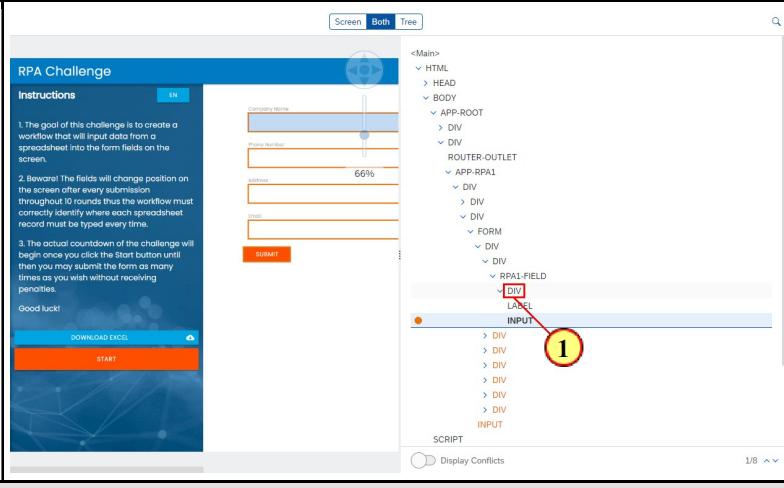
Explanation	Screenshot
Cloud Studio - Capturing first application	 <p>In the Screen Information side panel, enter a Screen Name</p>
(1) Click on the Screen Name field	
(2) Enter Main as the screen name	
Cloud Studio - Capturing first application	 <p>(1) Click on Capture</p>
Cloud Studio - Declaring the first element	 <p>You must declare the elements from the captured application that you want to use in your automation.</p> <p>(1) Click on the first field to select it</p>
Cloud Studio - Declaring the first element - Step 1 : Set the Recognition Criteria	

Explanation	Screenshot
<p>(1) In the Recognition Criteria, remove the default criteria</p>	

Cloud Studio - Declaring the first element - Step 1 : Set the Recognition Criteria

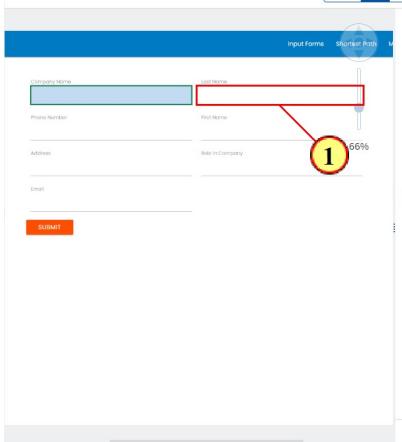
<p>(1) Click on Both to display the Screen and the Tree</p>	

Cloud Studio - Declaring the first element - Step 1 : Set the Recognition Criteria

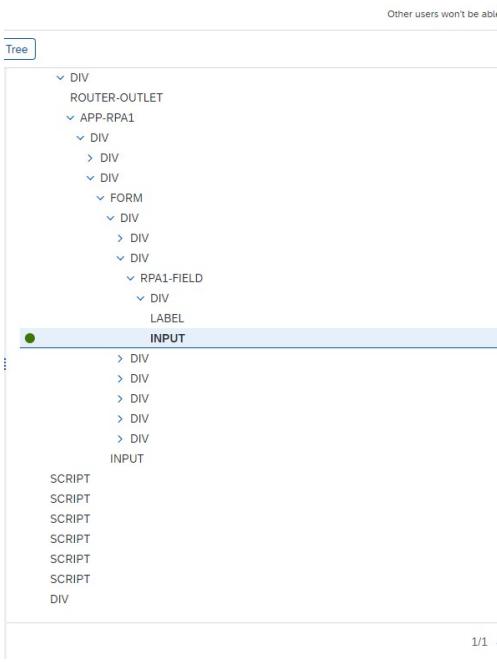
<p>(1) Right-click on the parent DIV of the selected element</p> <p></p> <p>Adding the parent DIV of the selected element as criteria will uniquely recognize the element. Be sure that each element is uniquely identified (cf. Recognition tests)</p>	

Cloud Studio - Declaring the first element - Step 1 : Set the Recognition Criteria

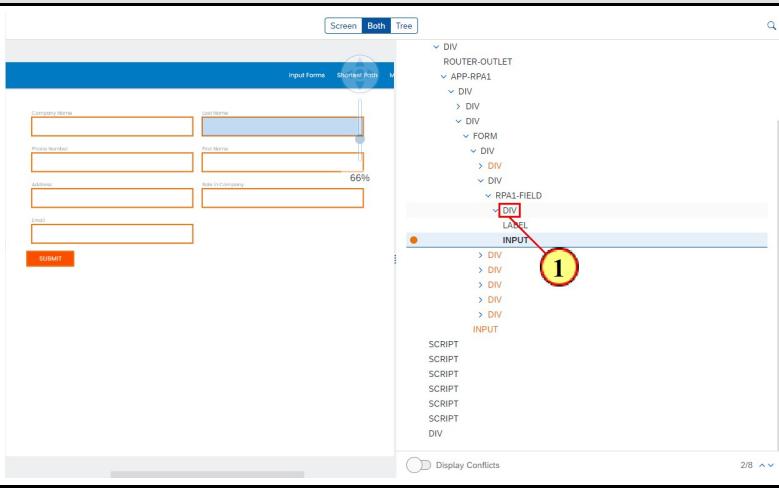
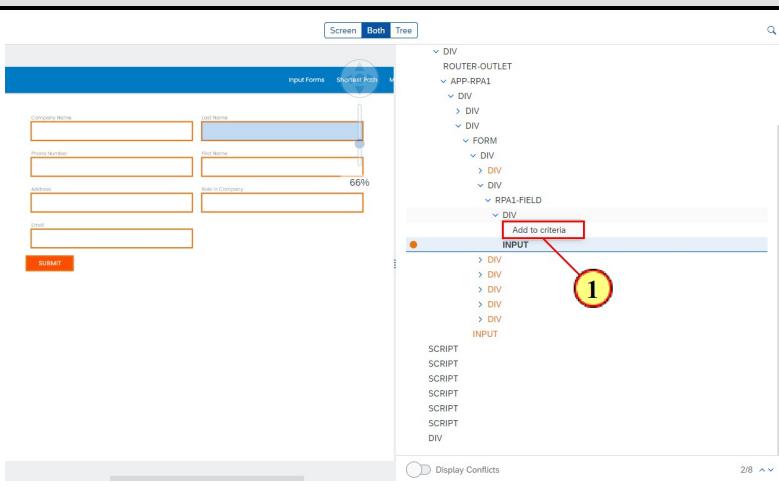
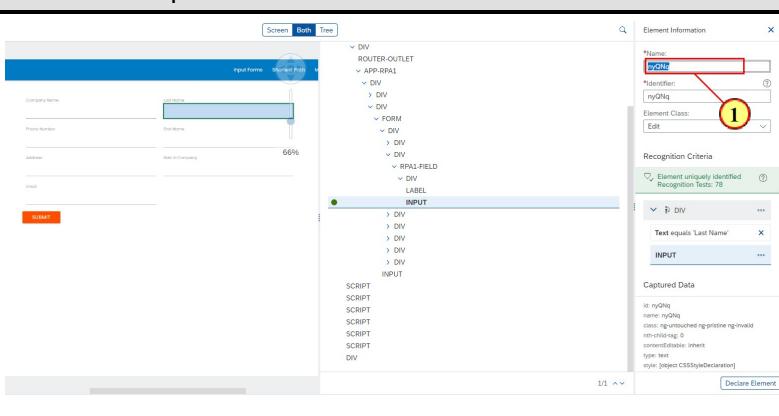
Explanation	Screenshot
<p>(1) Click Add to criteria. The parent DIV is added as Criteria.</p>	
<p>Cloud Studio - Declaring the first element - Step 2 : Set the Element Information</p>	
<p>In the Element Information side panel, enter a name for the element</p> <p>(1) Click on the field Name</p> <p>(2) Enter the Name of the field as described in the DIV text criterion.</p> <p>Here, for example: Company Name</p>	
<p>Cloud Studio - Declaring the first element - Step 3 : Declare the element</p>	
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the second element</p>	

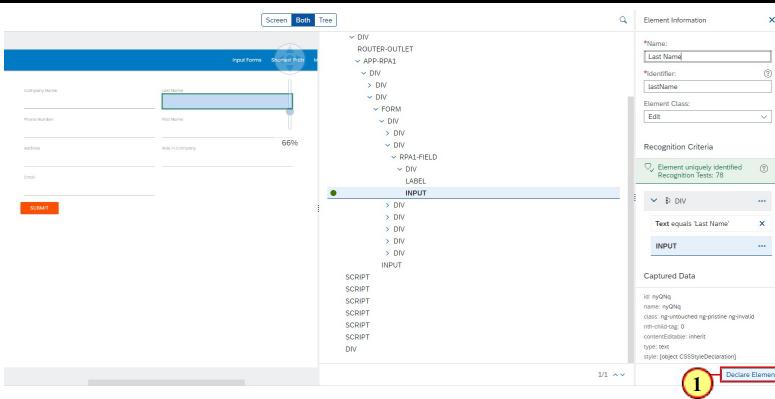
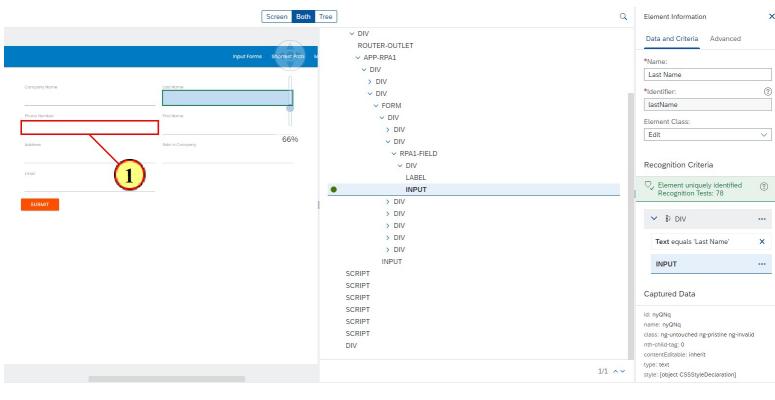
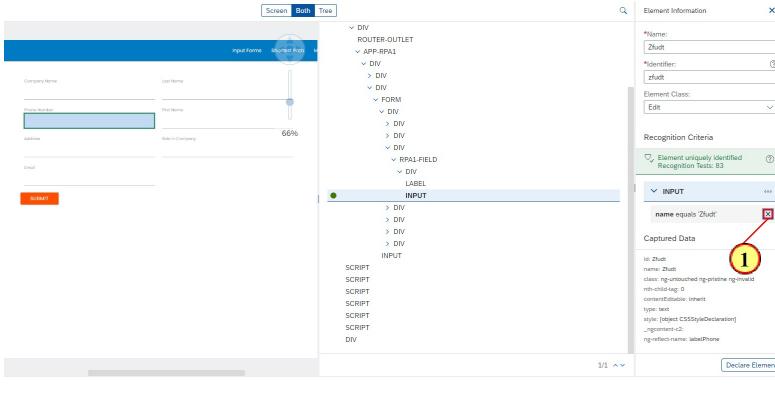
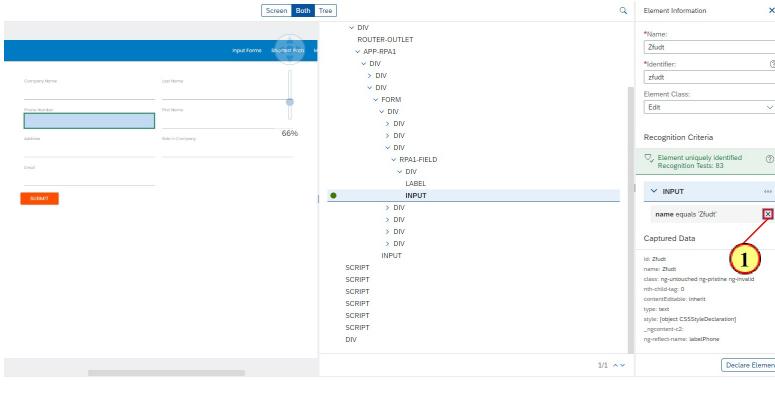
Explanation	Screenshot
(1) Click on the next field to declare	 <div style="display: flex; justify-content: space-between;"> Screen Both Tree </div> <div style="margin-top: 10px;"> <pre> <div> <router-outlet> <app-rpa1> <div> <div> <form> <div> <input type="text" name="companyName" value="Company Name" /> <input type="text" name="lastName" value="Last Name" /> </div> <div> <input type="text" name="phone" value="Phone Number" /> <input type="text" name="email" value="Email" /> </div> <div> <input type="text" name="address" value="Address" /> <input type="text" name="role" value="Role In Company" /> </div> <div> <button type="submit">Submit</button> </div> </form> </div> </div> </app-rpa1> </router-outlet> </div> </pre> </div>

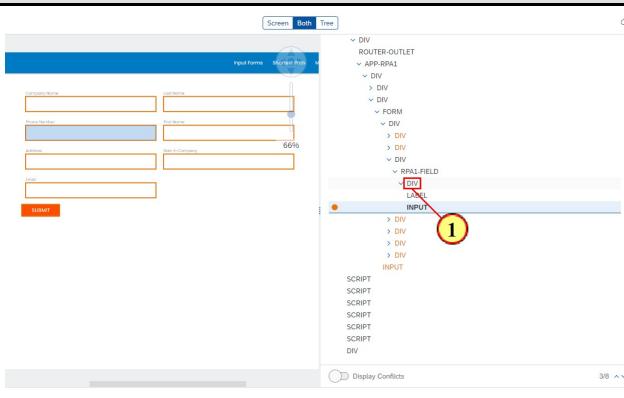
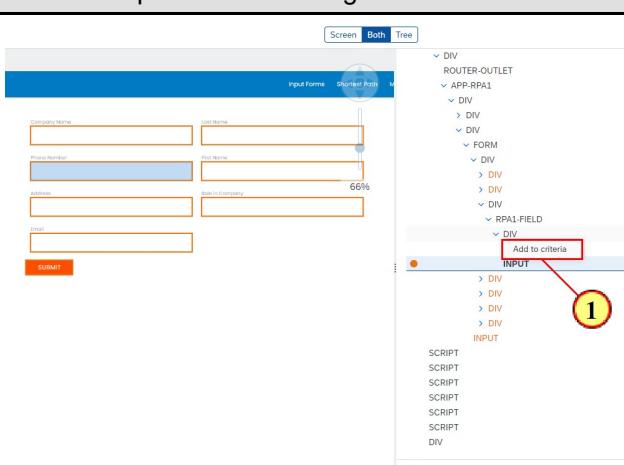
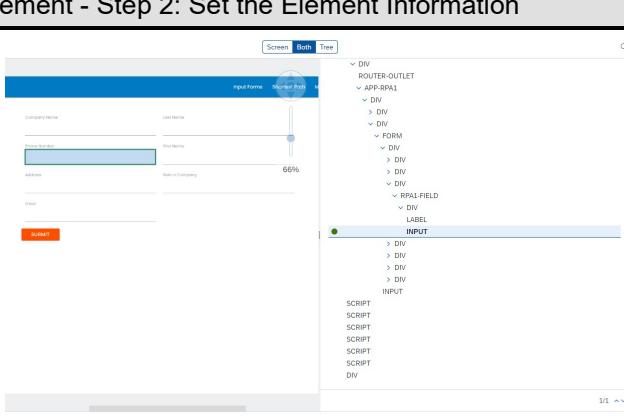
Cloud Studio - Declaring the second element - Step 1 : Set the Recognition Criteria

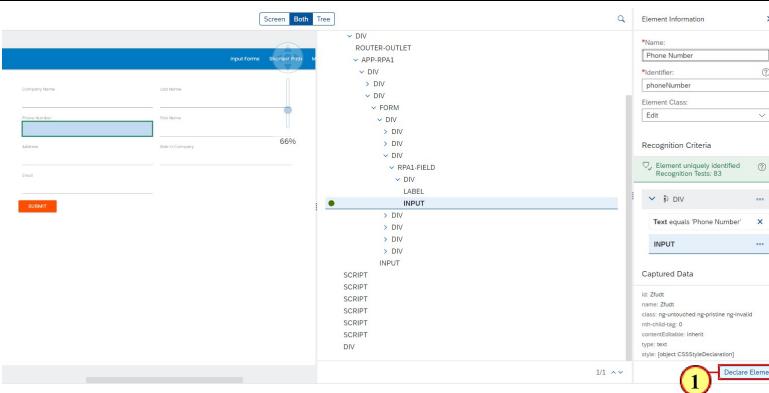
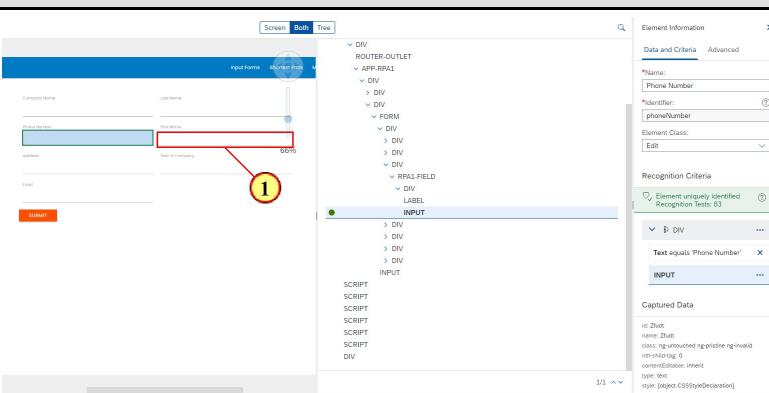
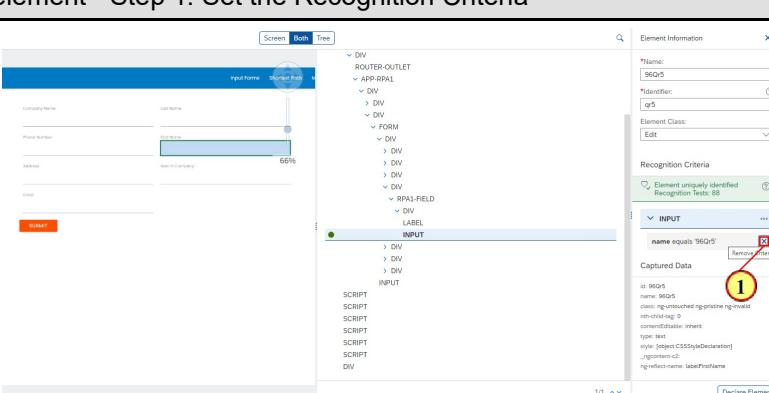
(1) Remove the default criteria	 <div style="display: flex; justify-content: space-between;"> Tree Element Information Save </div> <div style="margin-top: 10px;"> <p>Other users won't be able to edit this artifact while you're editing it.</p> <div style="display: flex; justify-content: space-between;"> Tree Element Information Save </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Tree <pre> <div> <router-outlet> <app-rpa1> <div> <div> <form> <div> <input type="text" name="companyName" value="Company Name" /> <input type="text" name="lastName" value="Last Name" /> </div> <div> <input type="text" name="phone" value="Phone Number" /> <input type="text" name="email" value="Email" /> </div> <div> <input type="text" name="address" value="Address" /> <input type="text" name="role" value="Role In Company" /> </div> <div> <button type="submit">Submit</button> </div> </form> </div> </div> </app-rpa1> </router-outlet> </div> </pre> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Element Information <p>*Name: nyQNq *Identifier: nyQNq Element Class: Edit Recognition Criteria ✓ Element uniquely identified (78) <input checked="" type="checkbox"/> INPUT name equals 'nyQNq' X </p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> Captured Data <pre> id: nyQNq name: nyQNq class: ng-untouched ng-pristine ng-invalid nth-child-tag: 0 contentEditable: inherit type: text style: [object CSSStyleDeclaration] _ngcontent-c2: ng-reflect-name: labelLastName </pre> </div> <div style="text-align: right; margin-top: 10px;"> Declare Element </div> </div>
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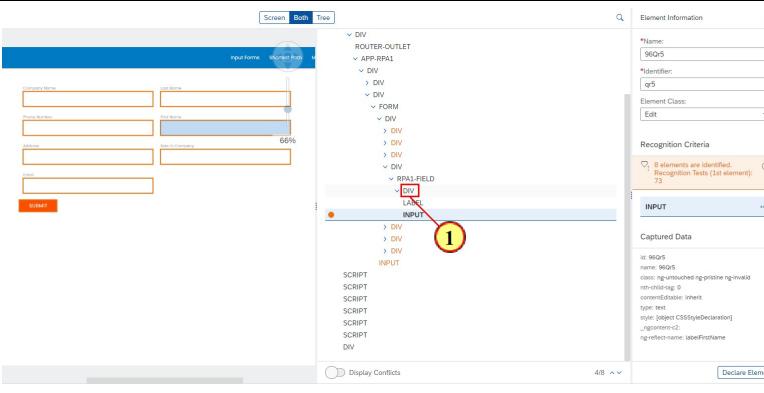
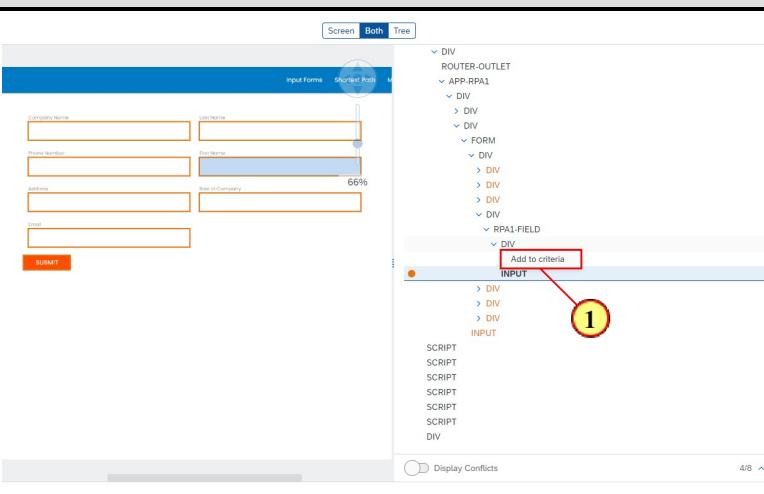
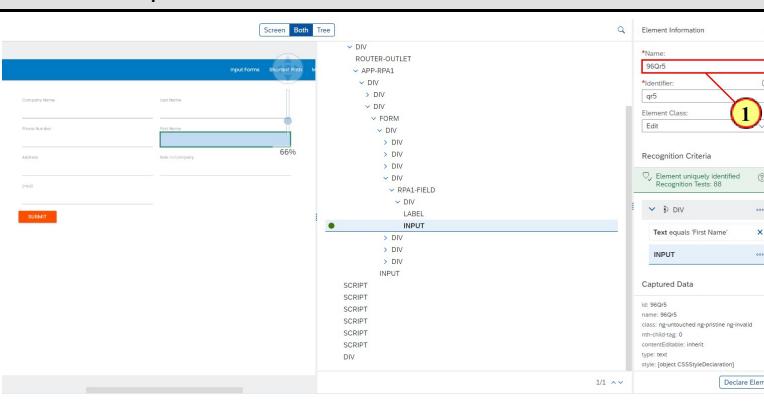
Cloud Studio - Declaring the second element - Step 1 : Set the Recognition Criteria

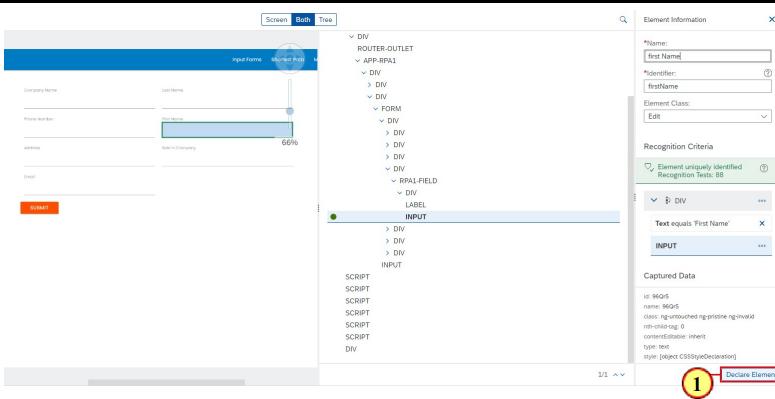
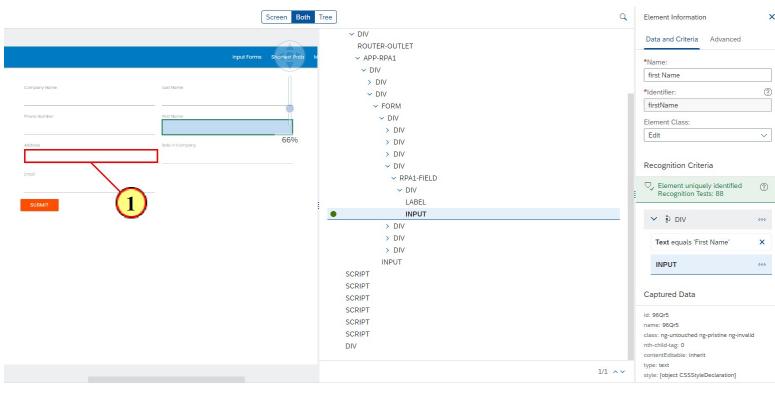
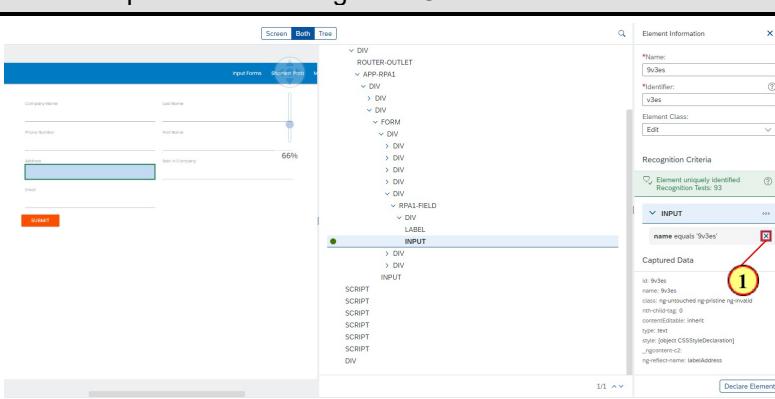
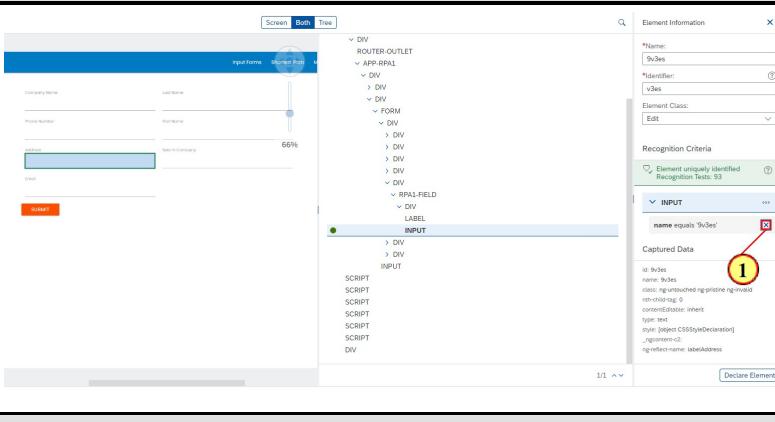
Explanation	Screenshot
(1) Right-click on the parent DIV of the selected element	
Cloud Studio - Declaring the second element - Step 1 : Set the Recognition Criteria	
(1) Click Add to criteria. The parent DIV is added as Criteria	
Cloud Studio - Declaring the second element - Step 2 : Set the Element Information	
(1) Enter the Name of the field as described in the DIV text criterion. Here, for example: Last Name	
Cloud Studio - Declaring the second element - Step 3 : Declare the element	

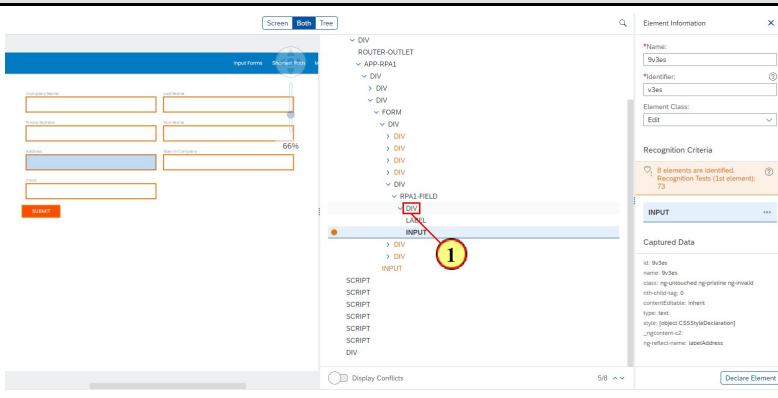
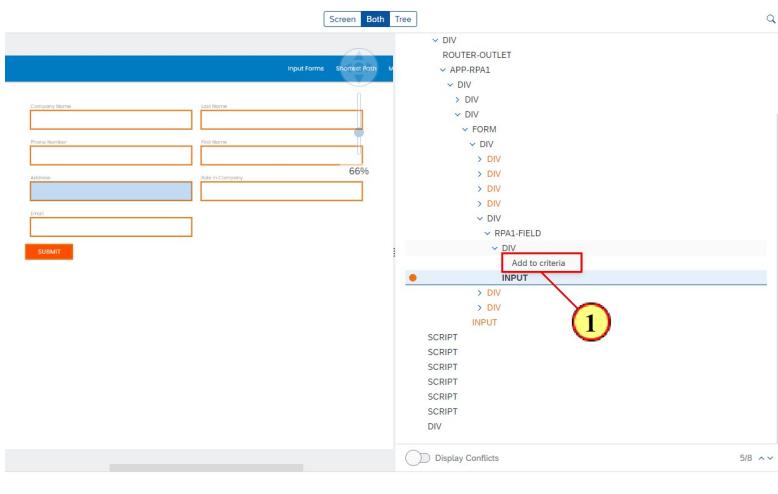
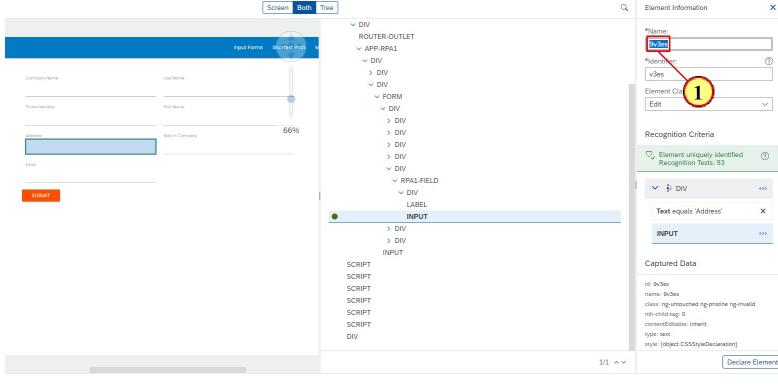
Explanation	Screenshot
(1) Click on Declare Element	
Cloud Studio - Declaring the third element	
(1) Click on the next field to declare	
Cloud Studio - Declaring the third element - Step 1: Set the Recognition Criteria	

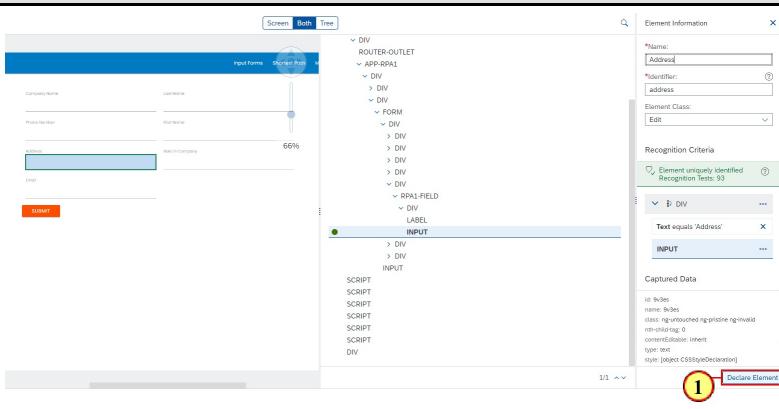
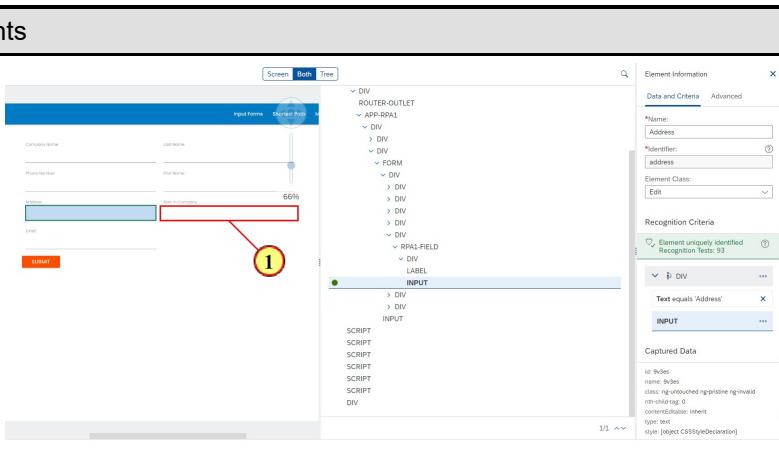
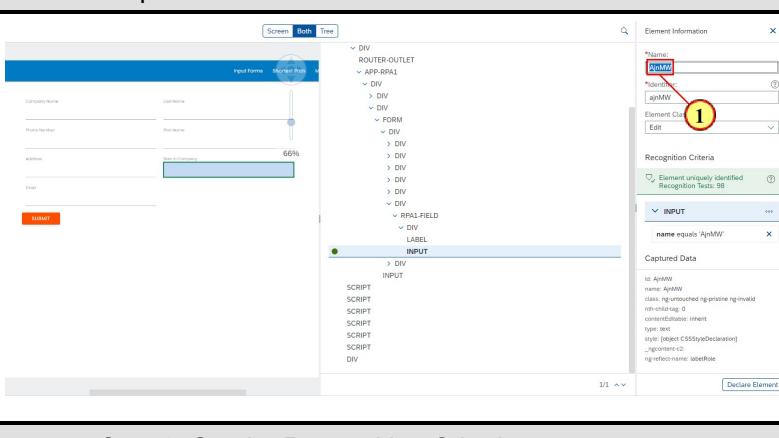
Explanation	Screenshot
(1) Right-click on the parent DIV of the selected element	 <p>The screenshot shows a web application interface with a form containing various input fields. A specific input field has been selected, and a context menu is open. The menu path 'INPUT > DIV' is highlighted in red, indicating the target for the first step of the declaration process.</p>
Cloud Studio - Declaring the third element - Step 1: Set the Recognition Criteria	 <p>The screenshot shows the 'Element Information' dialog box. In the 'Recognition Criteria' section, there is a button labeled 'Add to criteria'. A red circle labeled '1' points to this button, indicating the next step in the declaration process.</p>
(1) Click Add to criteria. The parent DIV is added as Criteria Here, for example: Phone Number	 <p>The screenshot shows the 'Element Information' dialog box with the 'Recognition Criteria' section expanded. It contains a criterion entry for 'Text equals "Phone Number"'. A red circle labeled '1' points to the 'Element Class' dropdown, which is currently set to 'Edit'.</p>
Cloud Studio - Declaring the third element - Step 3: Declare the element	

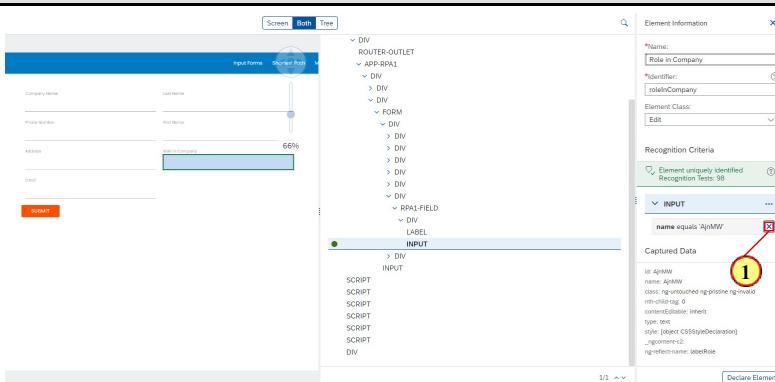
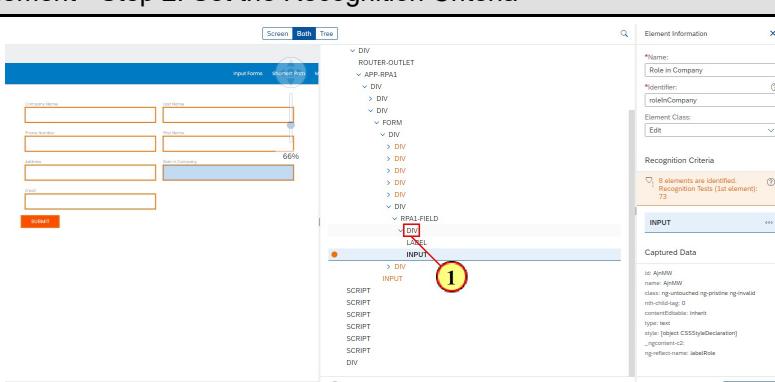
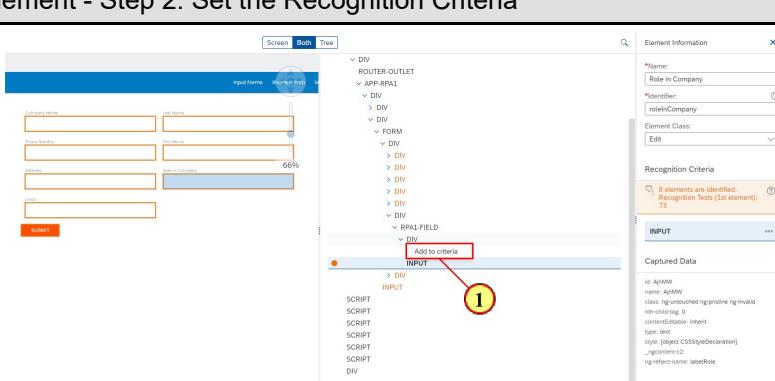
Explanation	Screenshot
<p>(1) Click on Declare Element</p>	
Cloud Studio - Declaring the fourth element	
<p>(1) Click on the next field to declare</p>	
Cloud Studio - Declaring the fourth element - Step 1: Set the Recognition Criteria	
<p>(1) Remove the default criteria</p>	
Cloud Studio - Declaring the fourth element - Step 1: Set the Recognition Criteria	

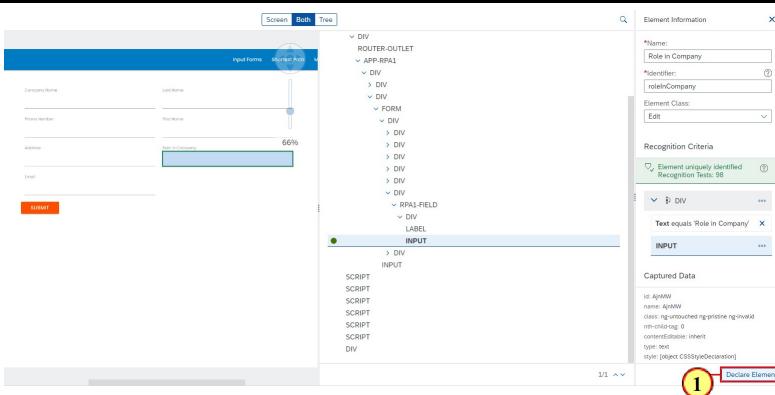
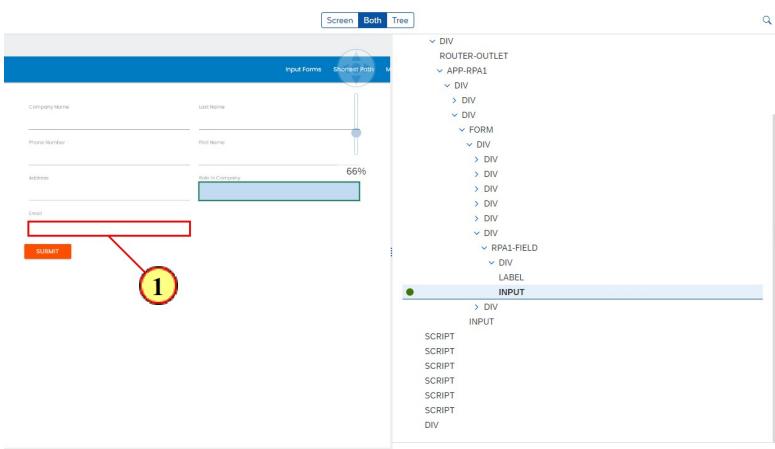
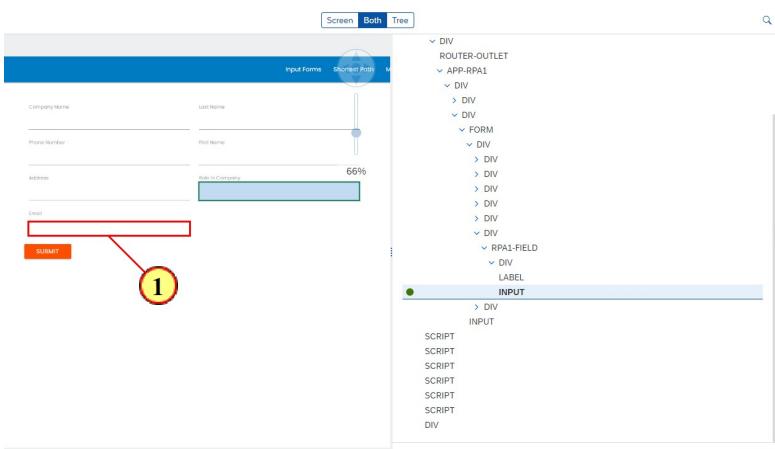
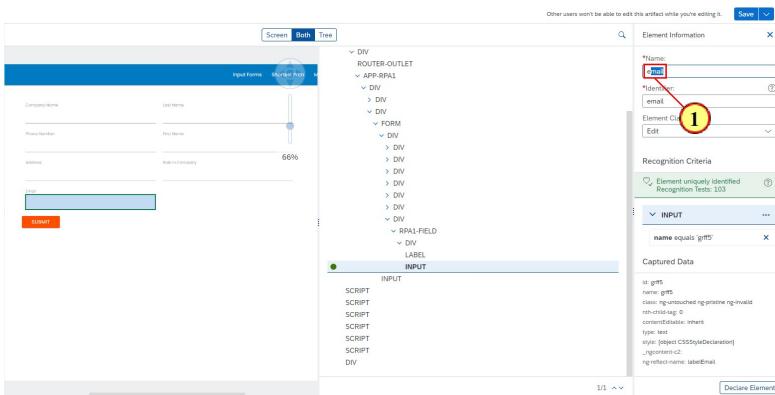
Explanation	Screenshot
(1) Right-click on the parent DIV of the selected element	
Cloud Studio - Declaring the fourth element - Step 1: Set the Recognition Criteria	
(1) Click Add to criteria . The parent DIV is added as Criteria	
Cloud Studio - Declaring the fourth element - Step 2: Set the Element Information	
<p>(1) Enter the Name of the field as described in the DIV text criterion.</p> <p>Here, for example: First Name</p>	
Cloud Studio - Declaring the fourth element - Step 3: Declare the element	

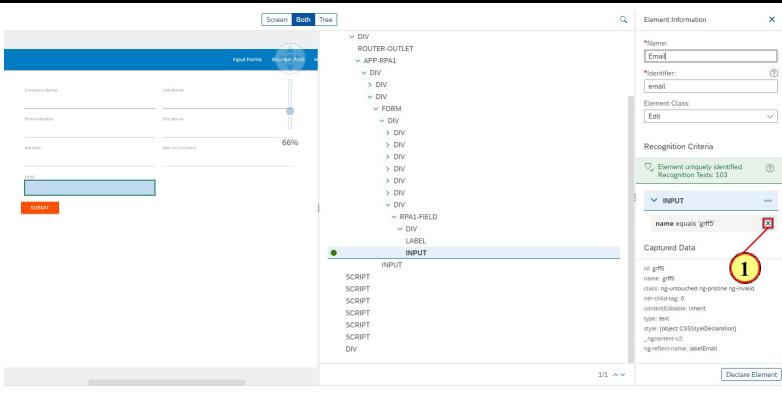
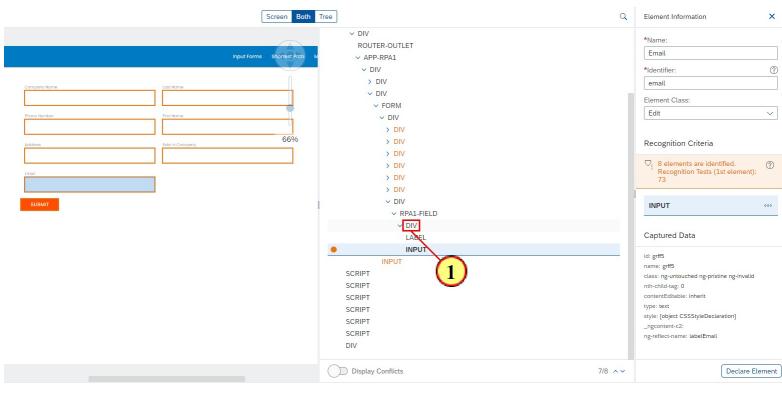
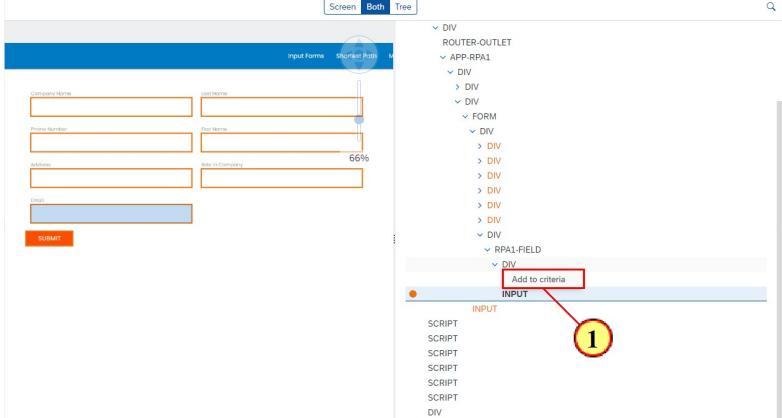
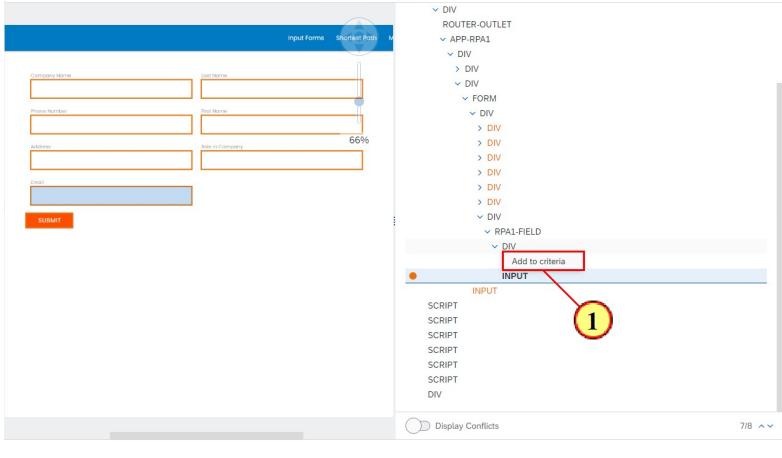
Explanation	Screenshot
(1) Click on Declare Element	
Cloud Studio - Declaring the fifth element	
(1) Click on the next field to declare	
Cloud Studio - Declaring the fifth element - Step 1: Set the Recognition Criteria	

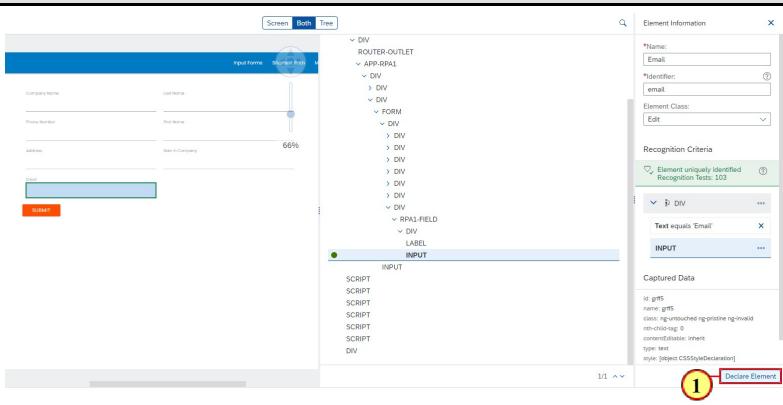
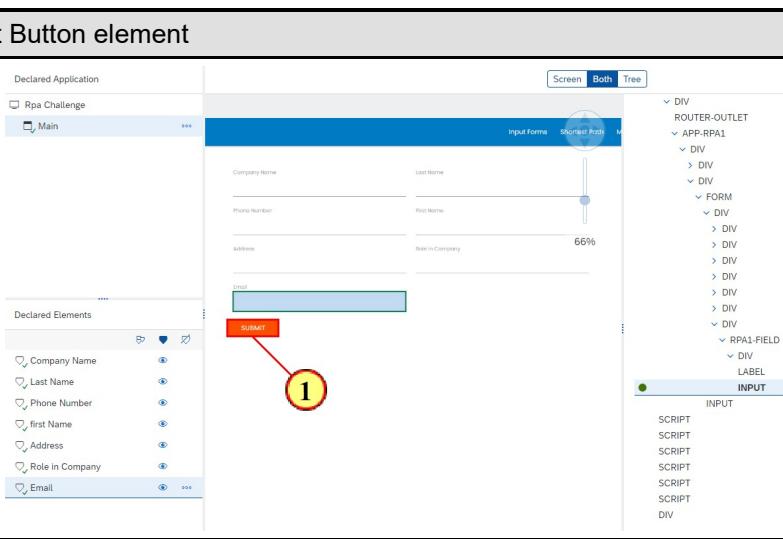
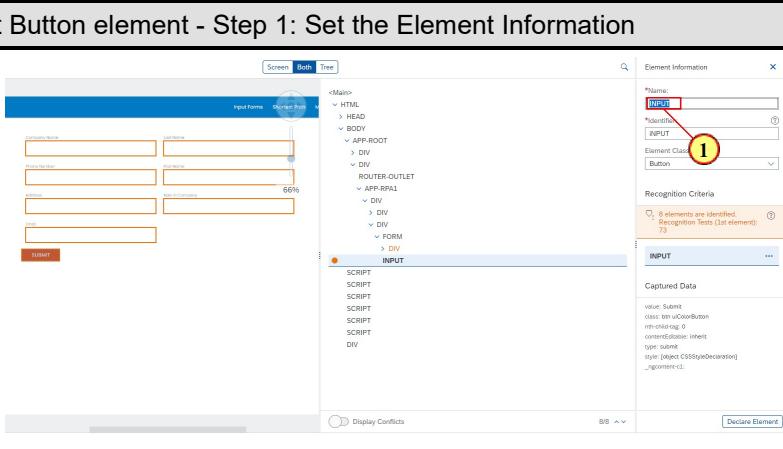
Explanation	Screenshot
(1) Right-click on the parent DIV of the selected element	
Cloud Studio - Declaring the fifth element - Step 1: Set the Recognition Criteria	
(1) Click Add to criteria. The parent DIV is added as Criteria Here, for example: Address	
Cloud Studio - Declaring the fifth element - Step 3: Declare the element	

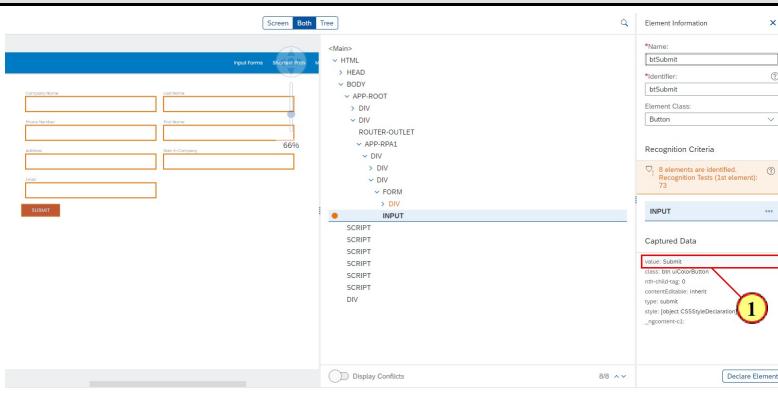
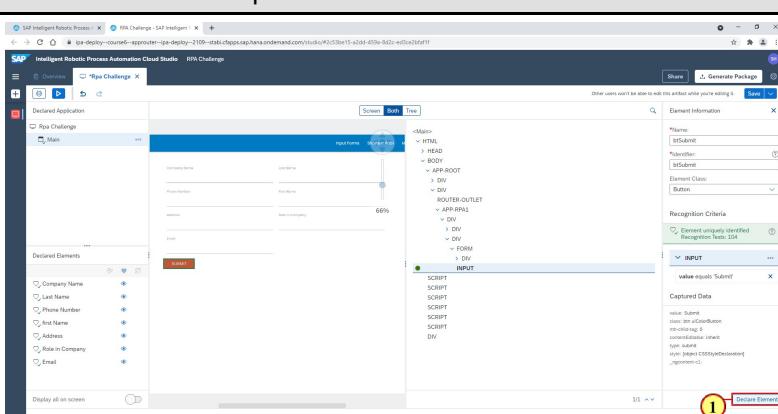
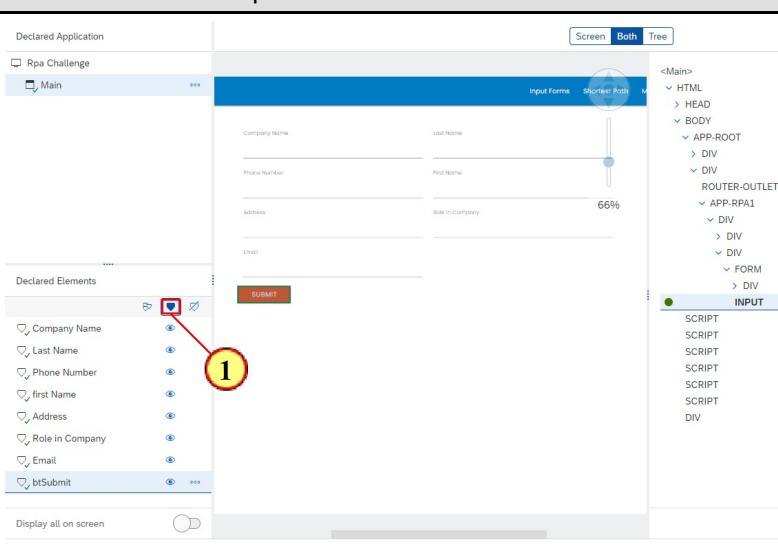
Explanation	Screenshot
(1) Click on Declare Element	
Cloud Studio - Declaring the elements	
(1) Click on the next field to declare	
Cloud Studio - Declaring the sixth element - Step 1: Set the Element Information	
Cloud Studio - Declaring the sixth element - Step 2: Set the Recognition Criteria	

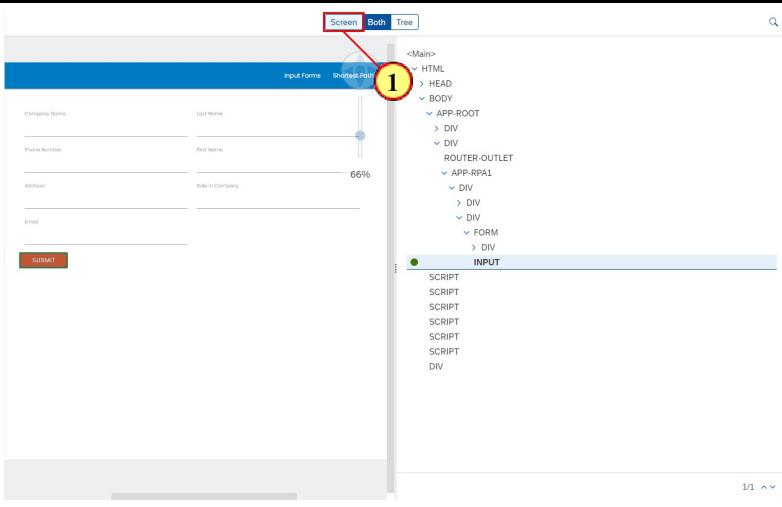
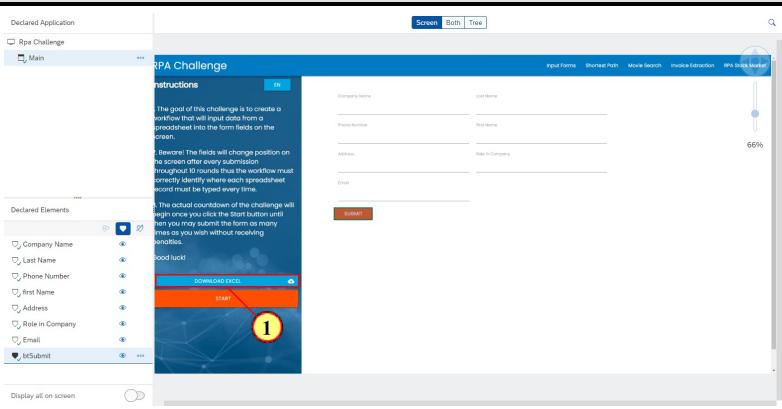
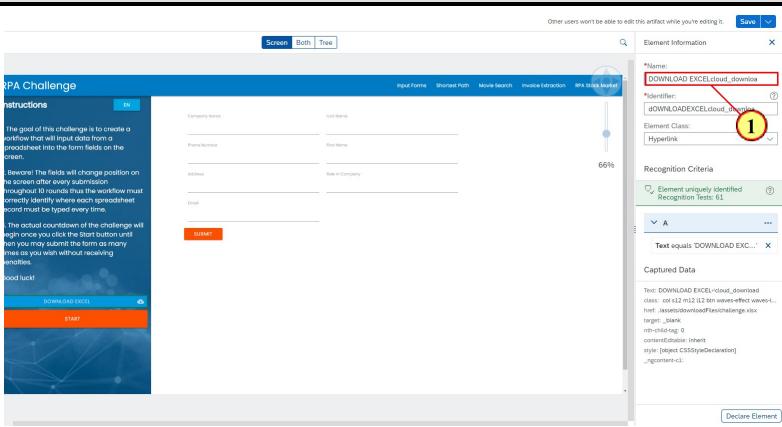
Explanation	Screenshot
(1) Remove the default criteria	
Cloud Studio - Declaring the sixth element - Step 2: Set the Recognition Criteria	
(1) Right-click on the parent DIV of the selected element	
Cloud Studio - Declaring the sixth element - Step 2: Set the Recognition Criteria	
Cloud Studio - Declaring the sixth element - Step 3: Declare the element	

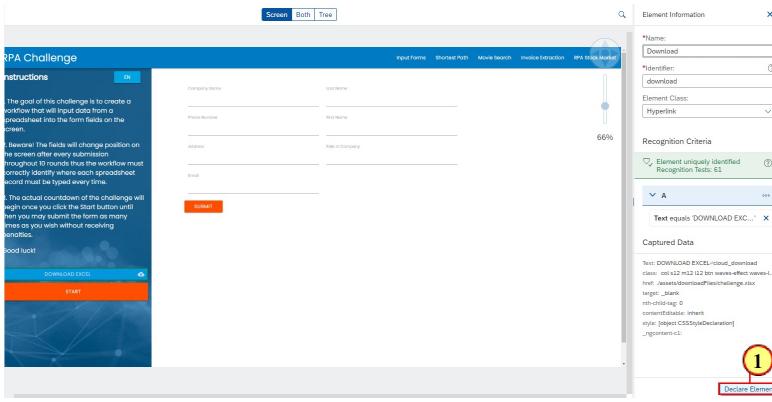
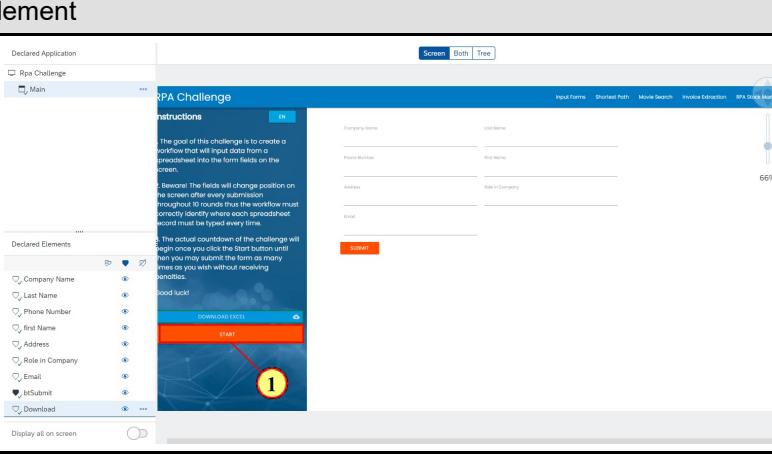
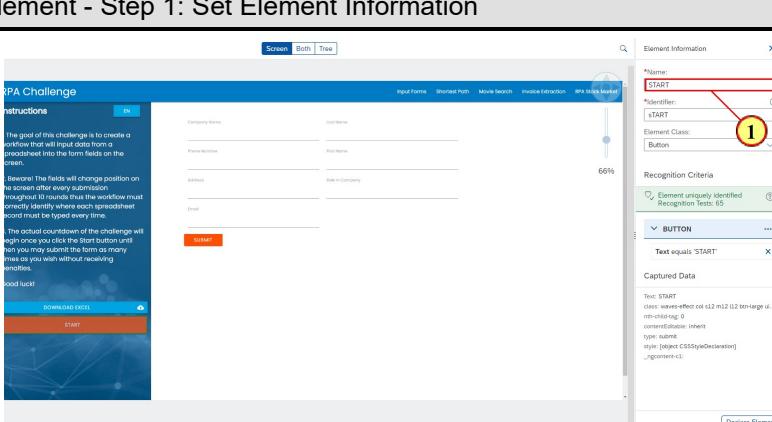
Explanation	Screenshot
(1) Click on Declare Element	
Cloud Studio - Declaring the elements	
(1) Click on the last field to declare	
(1) Enter the Name of the field as from the label of the field. Here, for example: Email	
Cloud Studio - Declaring the seventh element - Step 2: Set the Recognition Criteria	

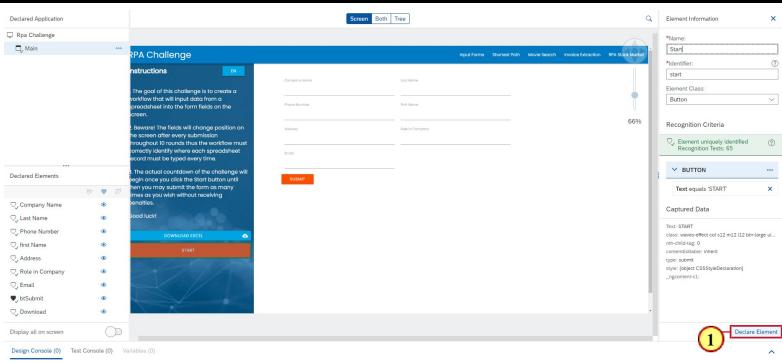
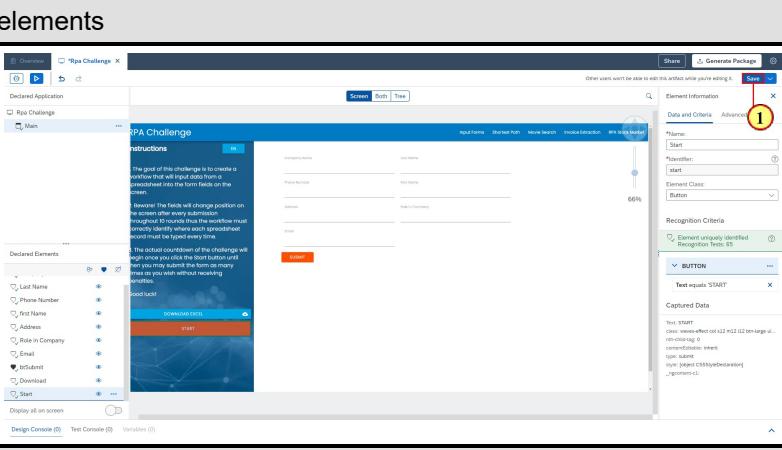
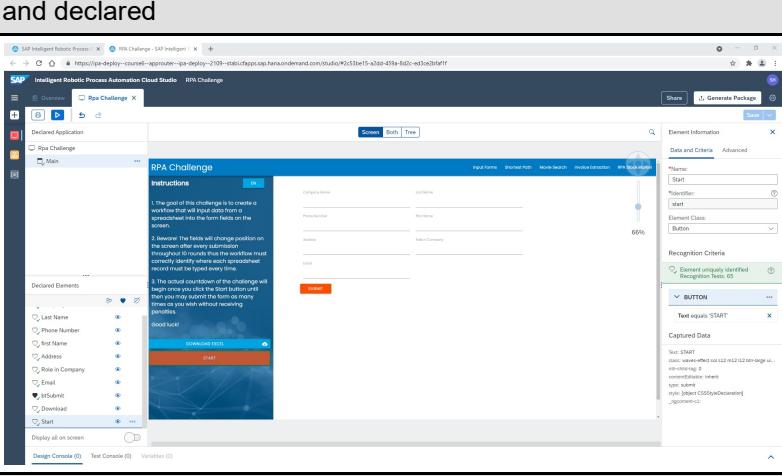
Explanation	Screenshot
(1) Remove the default criteria	
Cloud Studio - Declaring the seventh element - Step 2: Set the Recognition Criteria	
(1) Right-click on the parent DIV of the selected element	
Cloud Studio - Declaring the seventh element - Step 2: Set the Recognition Criteria	
	<p>Cloud Studio - Declaring the seventh element - Step 3: Declare the element</p>

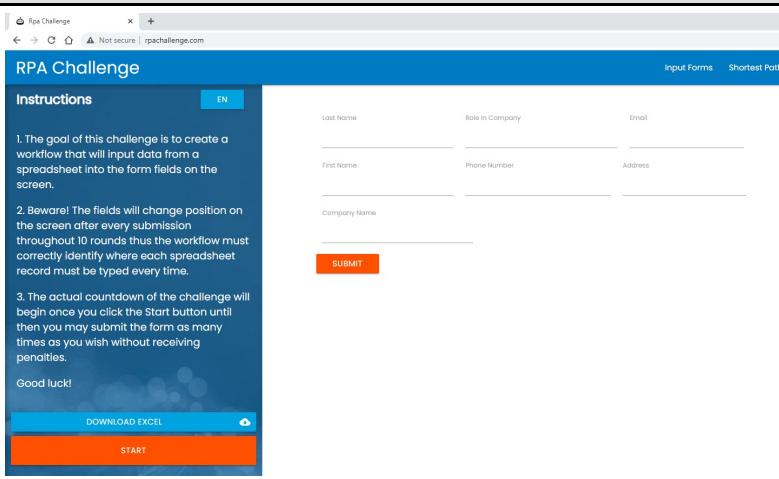
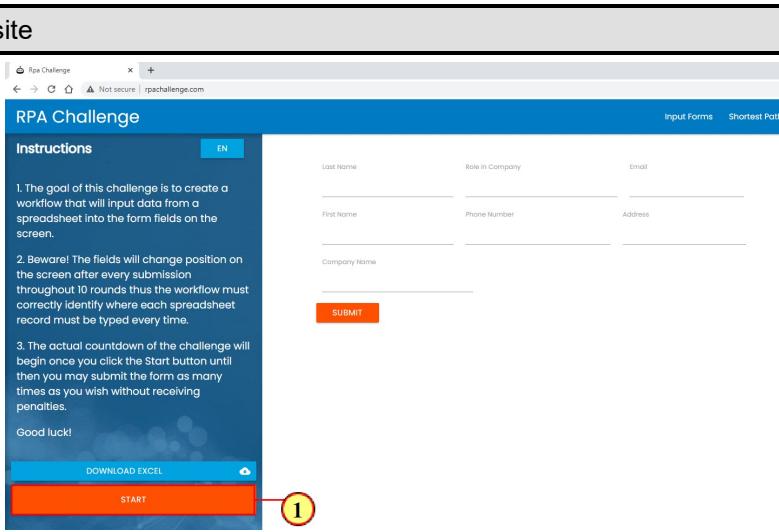
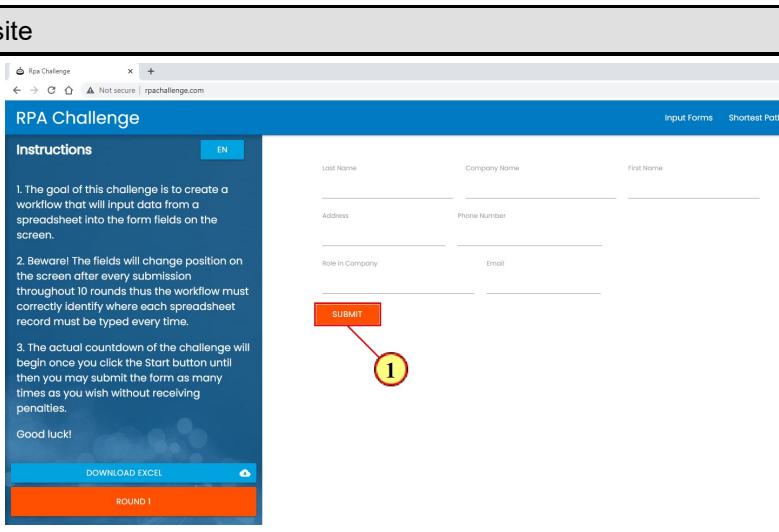
Explanation	Screenshot
(1) Click on Declare Element	
Cloud Studio - Declaring the Submit Button element	
(1) Click on the Submit button to select it	
Cloud Studio - Declaring the Submit Button element - Step 1: Set the Element Information	
(1) In the Element Information side panel, enter a Name for the element, for example: btSumit	
Cloud Studio - Declaring the Submit Button element - Step 2: Set the Recognition Criteria	

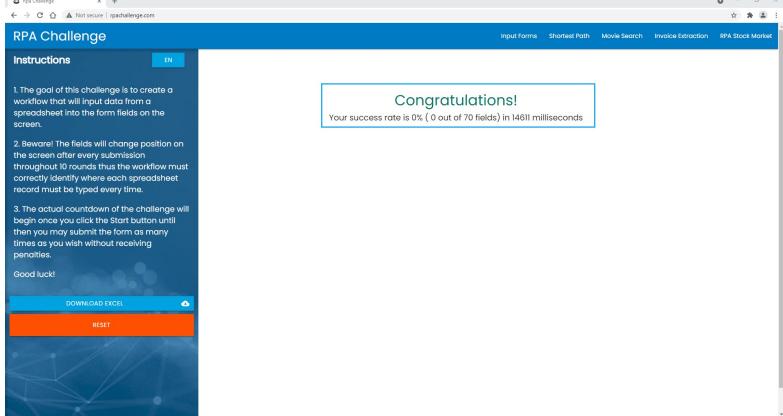
Explanation	Screenshot
<p>(1) In criteria, select "value: Submit" as criterion to add</p>	
<p>Cloud Studio - Declaring the Submit Button element - Step 3: Declare the element</p>	
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the Submit Button element - Step 4: Set declared element as Must Exist</p>	
<p>(1) Click on the Must Exist icon </p> <p> Must Exist means that the screen is not recognized unless the element or elements defined as must exist are detected.</p> <p> Be sure that btSummit is still selected</p>	
<p>Cloud Studio - Declaring the Submit Button element</p>	

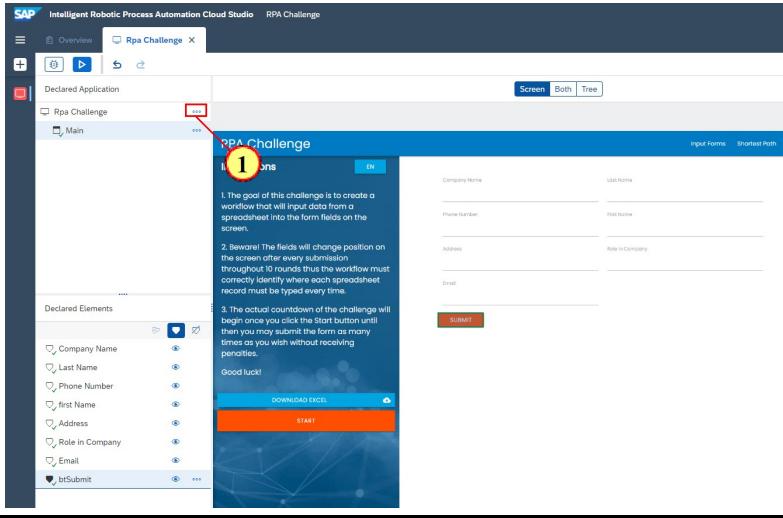
Explanation	Screenshot
(1) Click on the Screen view	
Cloud Studio - Declaring the Download Excel element	
(1) Click on DOWNLOAD EXCEL	
Cloud Studio - Declaring the Download Excel element - Step 1: Set Element Information	
(1) Set name as Download	
Cloud Studio - Declaring the Download Excel element - Step 2: Declare the element	

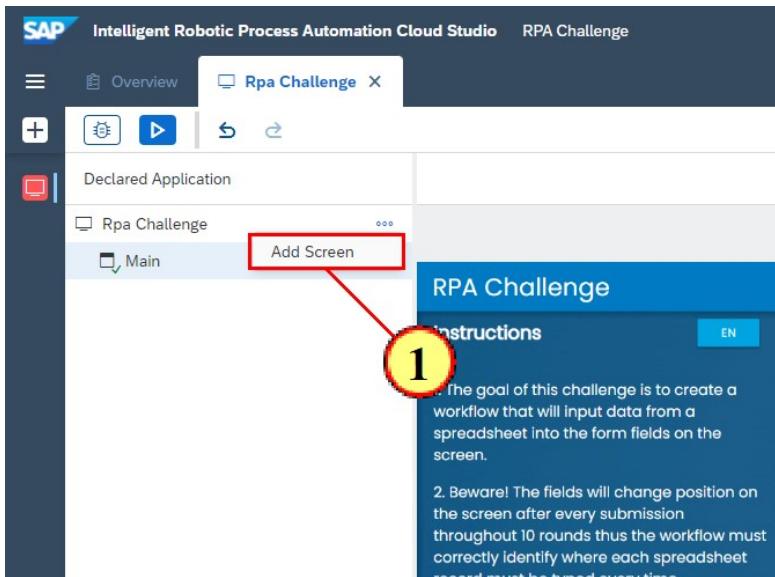
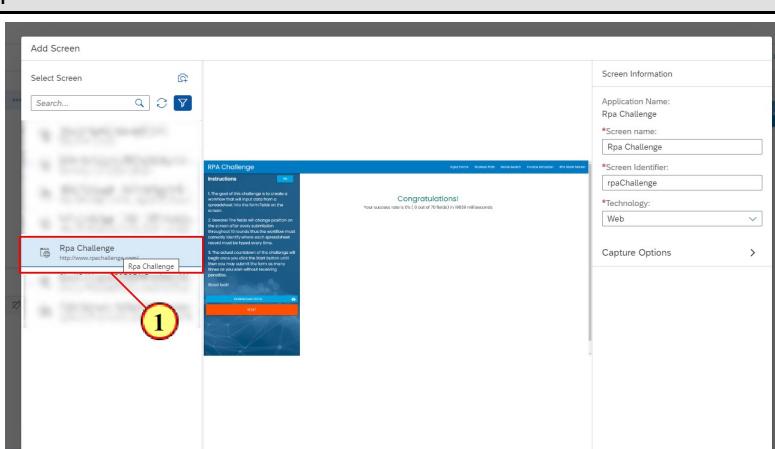
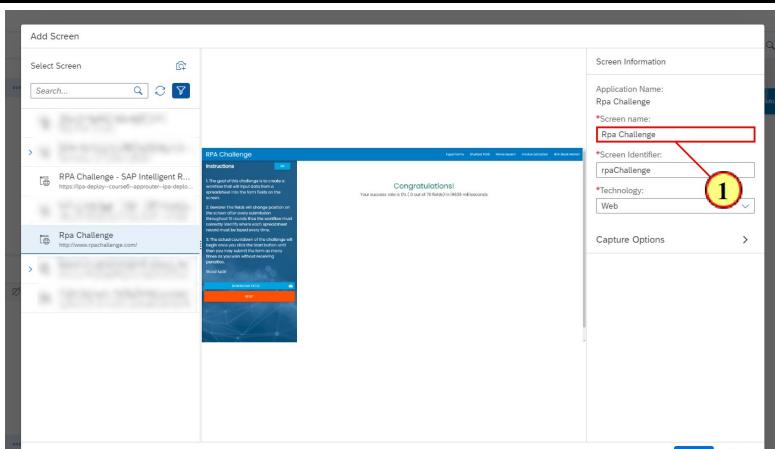
Explanation	Screenshot
(1) Click on Declare Element	
(1) Click on START	
(1) Set name as Start	
Cloud Studio - Declaring the Start element - Step 2: Declare the element	

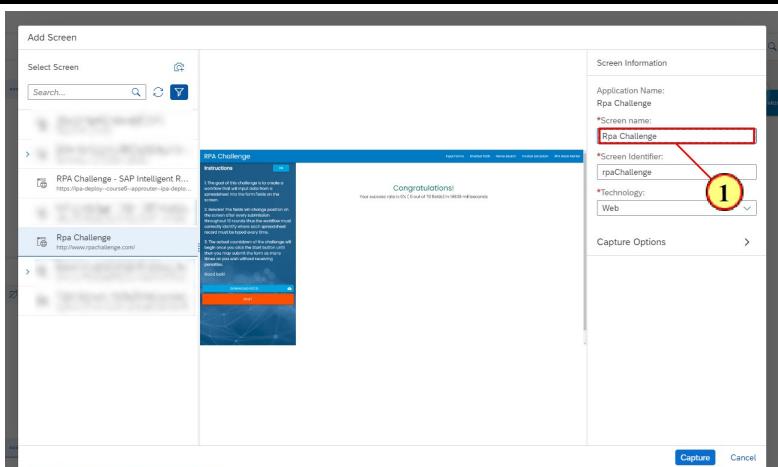
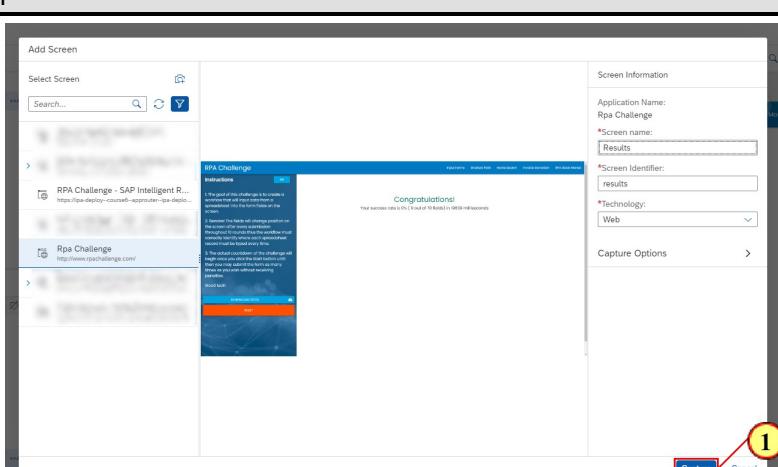
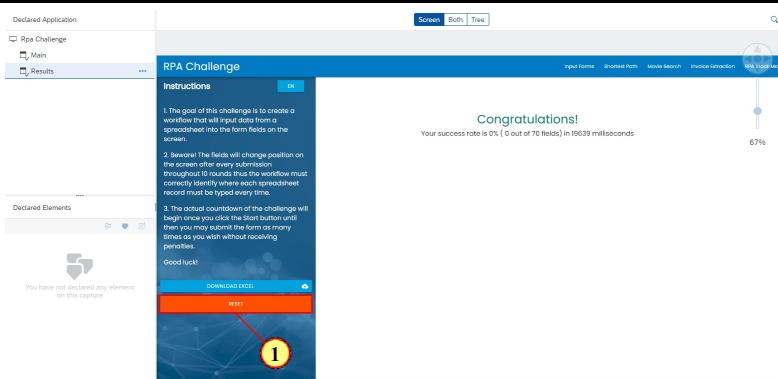
Explanation	Screenshot
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Saving the declared elements</p> <p>(1) Click on Save</p>	
<p>Cloud Studio - Application captured and declared</p> <p>Congratulations, you captured and declared your first Application with its main screen and elements.</p> <p>Before you capture the second screen, you need to go to the RPA Challenge website and navigate manually to the second screen showing the results of the challenge.</p>	
<p>Rpa Challenge – Microsoft Edge</p>	

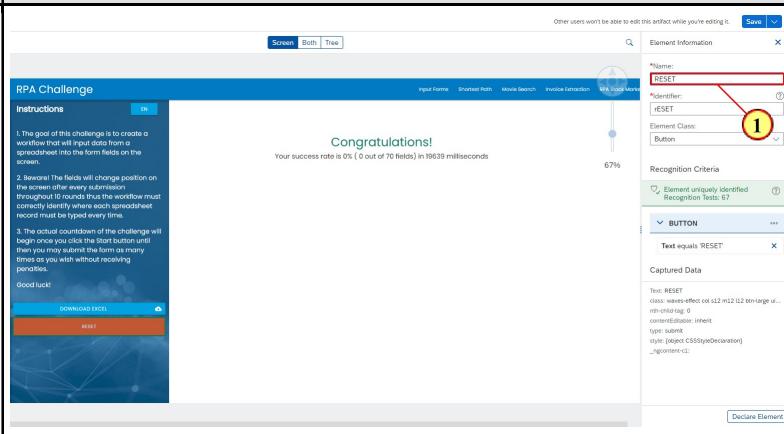
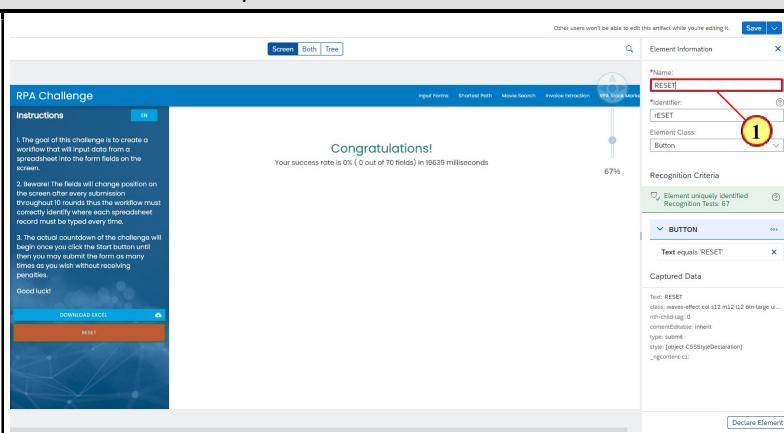
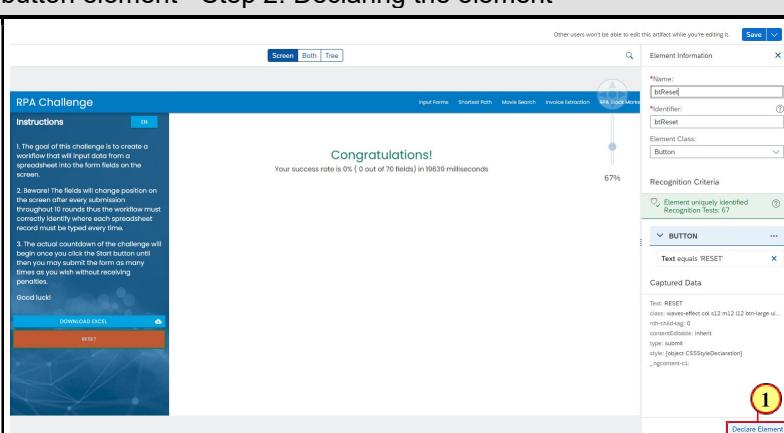
Explanation	Screenshot
<p>In the RPA Challenge website, you will start the Challenge and click on the Submit button for 10 times.</p>	
<p>Web browser - Rpa Challenge website</p> <p>(1) Click on START</p>	
<p>Web browser - Rpa Challenge website</p> <p>(1) Click on the SUBMIT button 10 times until you reach the result screen</p>	
<p>Web browser - Rpa Challenge website - Result screen</p>	

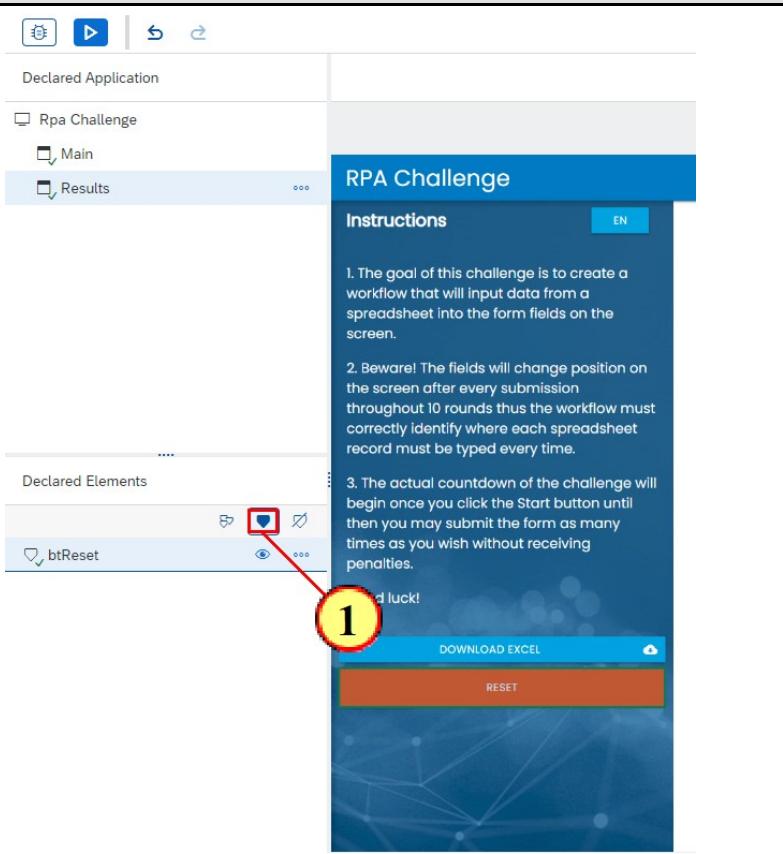
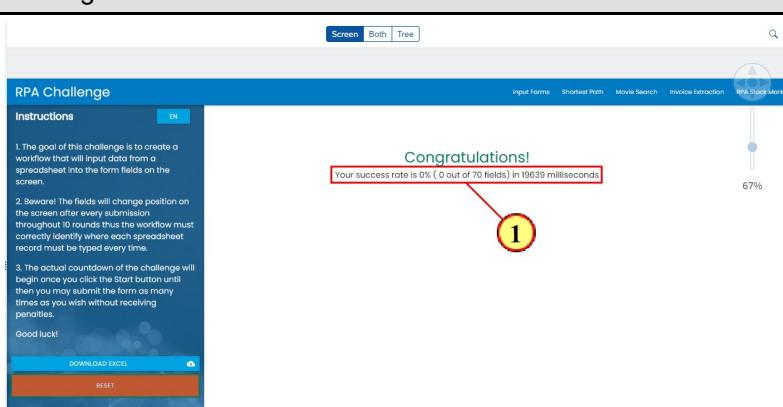
Explanation	Screenshot
<p> Once this process is completed, you will see a Congratulations message. You need to capture this result screen.</p> <p>Now, go back to the Cloud Studio to capture it.</p> <p> Don't minimize the RPA Challenge website. Just leave it maximized in the background by bringing in front your Cloud Studio.</p>	

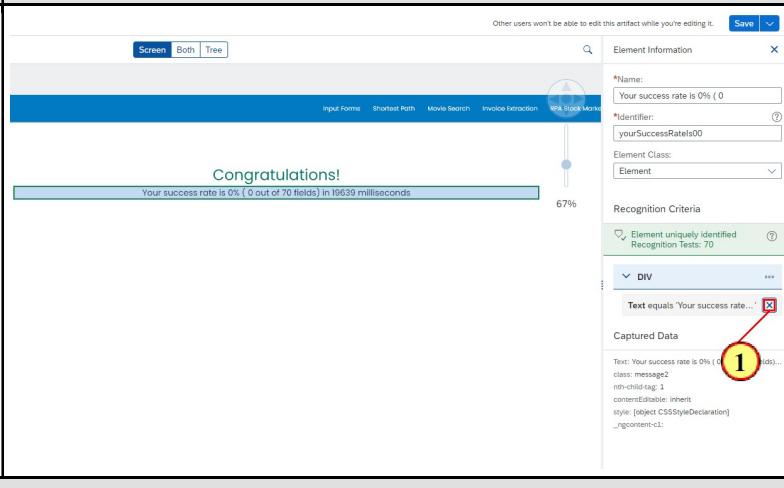
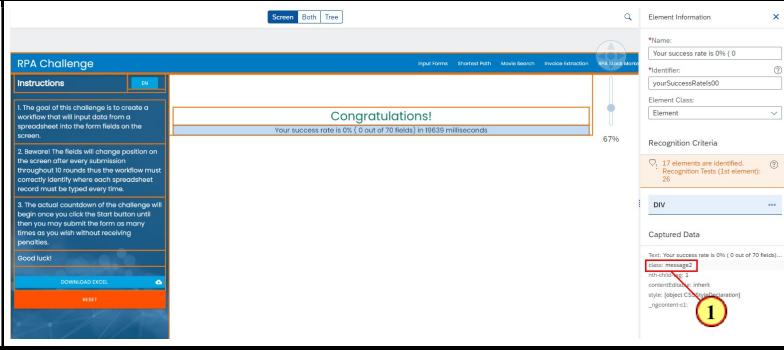
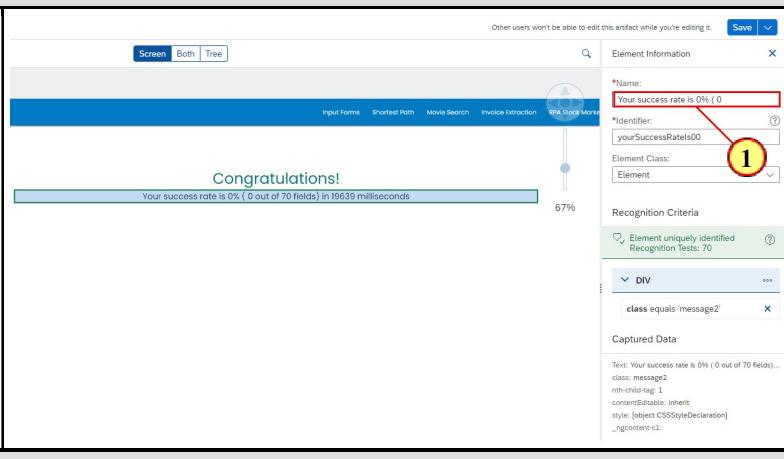
Cloud Studio - Capturing second application
<p>(1) Click on the 3 dots  next to the declared application RPA Challenge</p> 

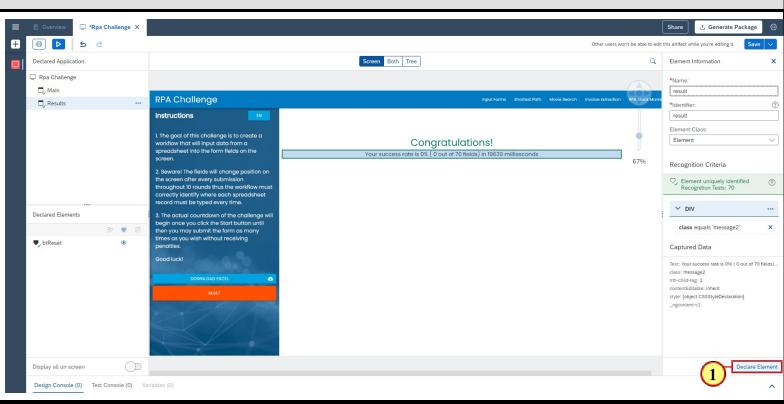
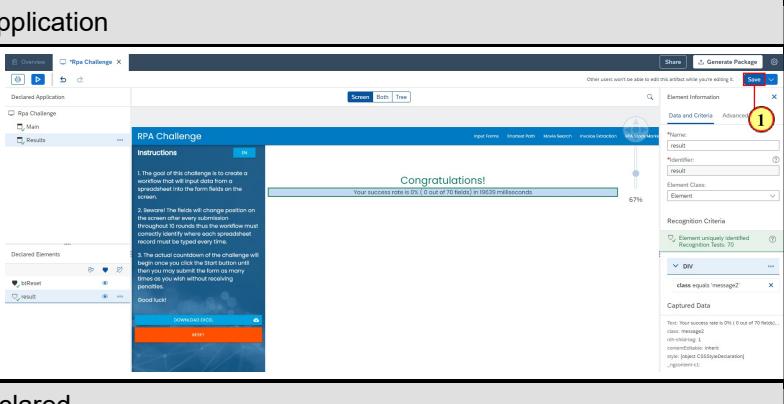
Explanation	Screenshot
(1) Click on Add Screen to add a screen capture	
Cloud Studio - Capturing second application	
Cloud Studio - Capturing second application	

Explanation	Screenshot
Cloud Studio - Capturing second application	
(1) Set Results as Screen name	
Cloud Studio - Capturing second application	
(1) Click on Capture	
Cloud Studio - Declaring the Reset button element	
(1) Click on RESET	
Cloud Studio - Declaring the Reset button element - Step 1: Set Element Information	

Explanation	Screenshot
<p>(1) In the Element Information, click on the Name parameter</p>	
<p>Cloud Studio - Declaring the Reset button element - Step 1: Set Element Information</p>	
<p>(1) Set btReset as Name</p>	
<p>Cloud Studio - Declaring the Reset button element - Step 2: Declaring the element</p>	
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Declaring the Reset button element - Step 3: Set Declared Element as Must Exist</p>	

Explanation	Screenshot
(1) Click on the Must Exist icon 	
Cloud Studio - Declaring the Result message element	
(1) Click on the result message	
Cloud Studio - Declaring the Result message element - Step1 : Set Recognition Criteria	

Explanation	Screenshot
(1) Remove the default criteria	
Cloud Studio - Declaring the Result message element - Step1 : Set Recognition Criteria	
(1) Select the class: message2 as criteria	
Cloud Studio - Declaring the Result message element - Step 2 : Set Element Information	
(1) Set Result as Name	
Cloud Studio - Declaring the Result message element - Step 3 : Declare the element	

Explanation	Screenshot
<p>(1) Click on Declare Element</p>	
<p>Cloud Studio - Saving the second application</p>	
<p>(1) Click on Save</p> <p>The application is captured and declared.</p>	